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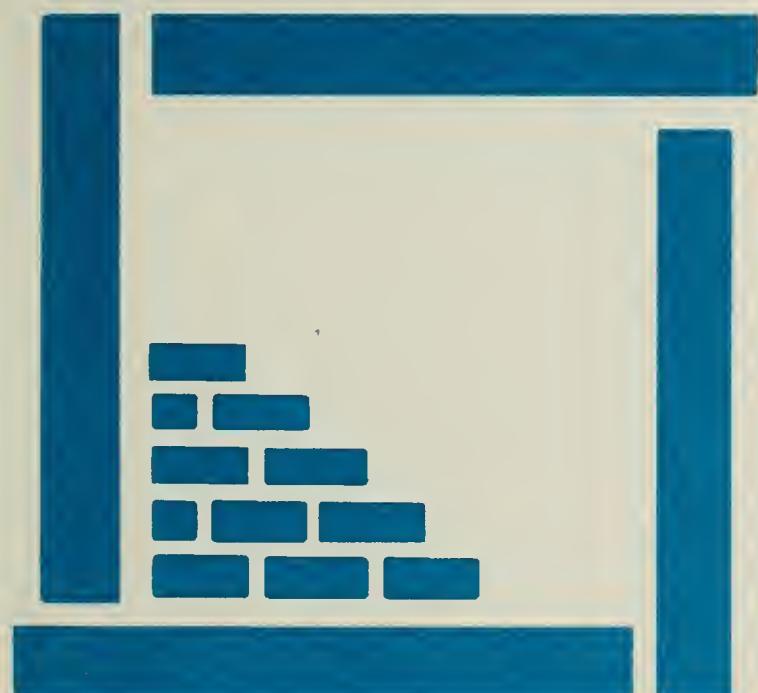
Census of Construction Industries

CC87-A-9

GEOGRAPHIC AREA SERIES

Pacific States

Alaska, California, Hawaii,
Oregon, Washington



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The overall planning and review of the census operations were performed by the staff of the Office of the Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Construction Statistics Division. **Barry A. Rappaport**, Assistant Division Chief for Industry Surveys, was responsible for the overall planning, management, and coordination of the census of construction industries. Planning and implementation were under the direction of **A. William Visnansky**, Chief, Census Operations Branch, with primary staff assistance by **Juliana Van Berkum**, **Barbara J. Hadden**, **Edward R. Glover**, **Susan L. Hostetter**, **Shirley M. Baker**, and **Carolyn J. Stone**. Under the direction of **Jesse Pollock**, **Edward K. Ricketts** and **Dennis K. Duke** developed the sampling plans and variance and estimation specifications.

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If you have any questions concerning the statistics in this report, call (301) 763-7546.

1987

Census of

Construction Industries

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Oregon, Washington

Issued July 1990



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PURPOSE AND USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source of facts about the structure and functioning of the Nation's economy. They provide essential information for government, business, industry, and the general public.

Economic censuses furnish an important part of the framework for such composite measures as the gross national product, input-output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.

Policy-making agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.

Trade associations study trends in their own and competing industries, and keep their members informed of market changes.

Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic censuses every 5 years, covering years ending in 2 and 7. The 1987 Economic Censuses consist of the—

Census of Retail Trade
Census of Wholesale Trade
Census of Service Industries
Census of Transportation
Census of Manufactures
Census of Mineral Industries
Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1987 Census of Agriculture and 1987 Census of Governments are conducted separately.) The next economic censuses are scheduled to be taken in 1993 covering the year 1992.

AVAILABILITY OF THE DATA

The results of each of the economic censuses are available in printed reports, for sale by the U.S. Government Printing Office, and on microfiche, computer tape, compact discs with read-only memory, and flexible diskettes, for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Census Bureau, Washington, DC 20233. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State Data Centers in every State and Business and Industry Data Centers in many States also supply economic census statistics.

WHAT'S NEW IN 1987

Several changes have taken place for the 1987 censuses. Data will be reported on the basis of the newly revised Standard Industrial Classification (SIC) system with selected reports including "bridge tables," linking the old and new classification systems. A new set of metropolitan

areas has been adopted, and more detailed information will be available for businesses with no paid employees. For additional information on these changes, review the subsequent text.

One important change involves receipts of contractors and builders. Prior to 1987, the Census of Construction Industries collected receipts as the primary measure of construction activity. For 1987, the census collected the "value of construction work done" to better measure actual construction activity done during the year. Differences between the two concepts occur when work is done in one year and payment received either from the prior or in the succeeding year. In addition, receipts do not include work a contractor performs for its own account and use.

HISTORICAL INFORMATION

The economic censuses have been taken together as an integrated program at 5-year intervals since 1967, and before that for 1963, 1958, and 1954. Prior to that time, the individual censuses were taken separately at varying intervals.

The economic censuses trace their beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 manufactures census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade, and construction industries, but it was broadened in 1933 to include some of the service trades.

The 1954 economic censuses were the first to be fully integrated—providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. These were the first censuses to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records have also been used to provide basic statistics as well for very small firms, reducing or eliminating the need to send them census questionnaires. The Enterprise Statistics Program, which publishes combined data from the economic censuses, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The Census of Construction Industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The Census of Transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks. New for 1987 are publications reporting on business establishments engaged in several transportation industries, paralleling the data on establishments in

other sectors. This is part of a gradual expansion in coverage of industries previously subjected to government regulation. The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic censuses in 1972 along with the Survey of Women-Owned Businesses.

Economic censuses have also been taken in Puerto Rico since 1909, in the Virgin Islands and Guam since 1958, and in the Northern Mariana Islands since 1982.

Statistical reports from the 1982 and earlier censuses provide historical figures for the study of long-term time series, and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the censuses provide complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, the results of which appear in publication series such as *Current Construction Reports* (building permits, housing starts, and value of new construction put in place), *Current Business-Reports* (retail and wholesale trade and service industries), the *Annual Survey of Manufactures*, *Current Industrial Reports*, and the *Quarterly Financial Report*. Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the censuses. The *County Business Patterns* program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1987 Economic Censuses and Related Statistics*. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1987 Economic Censuses*. Contact Customer Services for information on availability.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1987 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property

into lots as defined in the 1987 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction—The SIC manual defines construction in three broad types of activity that follow:

- 1. Building construction by general contractors or by operative builders**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other building projects. Operative builders who build on their own account for sale are also included here. However, investment builders who build structures on their own account for rent are classified in Real Estate.
- 2. Heavy construction general contractors**—Heavy construction general contractors are primarily engaged in the construction of highways, bridges, pipelines, sewers and water lines, marine construction, power, and petro-chemical plants and other nonbuilding construction projects. Special trade contractors are classified in heavy construction if they are specifically engaged in the following activities: grading for highway and airport runways; guardrail construction; installation of highway signs; asphalt and concrete construction of roads, highways, streets and public sidewalks; trenching, cable laying; conduit construction; underwater rock removal; pipeline wrapping; or land clearing and leveling.
- 3. Construction by other special trade contractors**—These contractors include plumbers, painters, carpenters, electricians, brick layers, roofers, etc. For the most part, they perform their work at the site of construction, although they may also have shops where they perform work incidental to the job site.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others all of the actual construction work or those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

In addition to the industries classified in the SIC manual as Construction, this census also includes one industry

classified in the Real Estate area, SIC 6552, Land Subdividers and Developers, Except Cemeteries. These establishments are engaged in subdividing real property into lots and in developing it for sale on their own account.

Each establishment receiving a questionnaire was requested to report the percent of total dollar value of business done for each kind-of-business activity engaged in during 1987. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction work to total business was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities. It is necessary, however, to assign a single industry code to the establishment based on its major activity. Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities. The industry reports, however, do present data on the extent of secondary activities.

A revised edition of the SIC Manual was issued in 1987. Minor modifications were made to three industries in the construction sector: SIC 1611, Highway and Street Construction Contractors, Except Elevated Highways; SIC 1629, Heavy Construction Contractors, N.E.C.; and SIC 1771, Concrete Work Special Trade Contractors. The extent of these modifications are explained in the specific texts for those industries. "Bridge tables" are also included showing selected data tabulated using both the previous classification system and the 1987 revision.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1987. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

¹Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

If an establishment engaged in construction and one or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1987 value of construction work exceeded the gross receipts from each of its other activities.

Construction businesses with no payroll during 1987 (nonemployers) were not required to file census reports. Tabulation of data for these businesses are based on administrative records and are shown only in U.S. summary publications and the geographic area reports series. Refer to the section on "Sample Design" for details. Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The companies included in the 1987 Census of Construction Industries were identified as part of an operation common to all 1987 Economic Censuses. Construction companies were divided into employers (companies with payroll) and nonemployers (companies without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government.

Employer Companies

Developing the sampling frame for employer companies—This operation started with obtaining a list of all construction companies in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of companies engaged in business activities in the United States. The file contains the name, address, and form of ownership of each company and also indicates whether or not the company is subject to the FICA. Each company in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each company. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative records data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer companies. However, for the 1987 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those companies which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment companies and large single-establishment companies. Thus, the 1987 Economic Census list for single-establishment employer companies was obtained from the IRS-SSA, but the list of establishments of multiestablishment employer companies was obtained directly from those companies in the COS. Refer to the section on "Establishment Basis for Reporting" for details.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a company to the proper economic census, but there were a number of companies for which this information was inadequate or unavailable. A special form, NC-9923, General Schedule, was mailed to all such companies, requesting information on the nature of the company's activities. From the information reported, the company was given an industrial classification code and assigned to the appropriate economic census. Since construction companies found in this way were identified only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

Selecting the employer sample—The sample was designed to provide reliable State and metropolitan area estimates for each construction industry. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with estimated total employment of 20 employees or more, and a probability sample of single-establishment companies with estimated employment of fewer than 20 employees.

Supplementing the sample were construction companies identified from the NC-9923, General Schedule. Also affecting the sample were the misclassified companies; i.e., companies included in the samples of other trade areas which reported they were construction companies and companies originally classified in construction which reported they were not construction companies.

Of the 533,000 single-establishment employer companies initially classified as construction companies, 147,000 were included in the sample. All of the 13,000 establishments of multiestablishment companies were included in the sample. There was a net increase in the sample of 60,000 establishments resulting from establishments originally unclassified (receiving the NC-9923) or misclassified.

The probability sample of the smaller single-establishment companies was a stratified random sample. Strata were formed from all establishments with the same initial four-digit SIC code, in the same State, in the same metropolitan

area or in the balance of the State, and in the same size class based on estimated total employment. If the four-digit SIC code for an establishment was incomplete, the establishment was placed in a stratum for miscellaneous companies. Because they were small, all companies were included in the sample for the following three industries: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

Estimation procedures for 1987 and 1982 data— Since all larger employer companies and some smaller ones were included in the census, sample estimation was required only for the universe of companies not selected with certainty. The published statistics are the totals of the estimates for the sampled companies and the aggregates for the certainty companies. All estimates for 1987 and 1982 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum x_i / p_i}{n_c}$$

$$i = 1$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

Data for certain characteristics were reported as a percentage of the dollar value of business done. Before this formula was applied to those characteristics, it was necessary to convert the reported percentages into dollars.

Reliability of employer statistics— Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimated directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the

sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Relative standard errors have been calculated for all of the published statistics, although they are shown for each statistic only in the tables presenting detailed statistics. Other tables show relative standard errors only for certain characteristics because of lack of space.

As calculated for this report, the relative standard error measures certain nonsampling errors, but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples with the same size and design, between the estimates and the true value being estimated. Nonsampling errors can be attributed to many sources: inability to obtain information about all cases in the sample; definitional difficulties; differences in interpretation of questions; inability or unwillingness of respondents to provide correct information; and errors made in processing the data. Although no direct measurements of the biases have been obtained, it is believed that most of the important response and operational errors were detected in the course of reviewing the data for reasonableness and consistency.

A potential source of bias is in the imputation for those establishments that have not responded by the time of final publication. Data were estimated for establishments that did not report by that date, although selected establishments were contacted again to obtain as much information on the telephone as possible. Some publication cells in which more than 40 percent of the data were not reported have been suppressed.

Nonemployer Companies

As described earlier, the information derived from the business income tax returns of all companies was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with companies without payroll were treated as nonemployers. The nonemployer construction companies were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts", referred to in the tables as "dollar value of business done", was based on receipts information reported on the tax return.

Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1987 Census of Construction Industries was obtained from employer establishments primarily through the use of twenty-four questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the following SIC groups: 15, 16, 171, 172, 173, 174, 175, 176, 177, 178, and 179 and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted some of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were elicited from construction trade associations and appropriate advisory groups. The Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1987 census report forms were mailed out in December 1987. They were mailed from and returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished. Collection of these report forms was essentially completed in July 1988.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters near Washington, DC.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding), and imputation for missing items or for reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all

revisions and corrections made during the review of the preliminary reports and contain considerably more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1987 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. A separate code was assigned on each basis allowing us to present data by both physical locations of the establishment and location of construction work.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected MSA's, CMSA's and PMSA's.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work of one firm may be subcontracted to other construction firms and also be included in the subcontractors' value of construction work. To avoid this duplication, a "net" value of construction work figure has been derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work.

Duplication in value of business between other construction and nonconstruction industries, results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is defined in the 1987 Census of Construction Industries as equal to dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, land receipts are also subtracted from dollar value of business done.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1987 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, DC, 20233.

To discuss a special tabulation before submitting specifications, call 301-763-7546.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1987 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas the construction census figures cover both new construction and maintenance and repair work done by establishments classified in the construction industry. Significant amounts of construction are done by establishments classified outside of construction (in real estate, manufacturing, utilities and communications, for example), both as "force account" construction and construction done for others. In addition, the value in place series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in the Census of Construction.

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

| | |
|--------|---|
| * | Sampling error exceeds 40 percent. |
| ** | Represents the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4. |
| - | Represents zero. |
| † | Represents value of construction work less costs for construction work subcontracted to others. (See Duplication in Value of Construction Work.) |
| †† | Represents dollar value of business done less costs for construction work subcontracted to others, and costs for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from dollar value of business done. (See Duplication in Value of Construction Work.) |
| (D) | Withheld to avoid disclosing data for individual companies; data are included in higher level totals. |
| (NA) | Not available. |
| (S) | Withheld because estimate did not meet publication standards on the basis of either the response rate, associated relative standard error, or a consistency review. |
| (W) | Greater than zero but less than 1 percent. |
| (X) | Not applicable. |
| n.s.k. | Not specified by kind. |

Users' Guide for Locating Statistics in This Report by Table Number

| Statistics | By State | By Industry | By employment size | By size class of the dollar value of business done | By type, class, ownership, kind of business, and location of construction ¹ | By CMSA, PMSA, and MSA ² |
|---|-------------|-------------|--------------------|--|--|-------------------------------------|
| Assets and depreciation (gross book value): | | | | | | |
| Beginning of year—buildings, machinery and equipment..... | 5 | | | | | |
| End of year—total..... | 3, 5 | 3 | 7 | 8 | | |
| End of year—buildings, machinery and equipment..... | 5 | | | | | |
| Depreciation charges during year—buildings, machinery and equipment..... | 5 | | | | | |
| Capital expenditures: | | | | | | |
| Total capital expenditures..... | 3, 5 | 3 | 7 | 8 | | 12 |
| New buildings—machinery and equipment..... | 5 | | | | | |
| Used buildings—machinery and equipment..... | 5 | | | | | |
| Communication services, payments for..... | 4 | | | | | |
| Employees: | | | | | | |
| All employees—average number..... | 3 | 3 | 7 | 8 | | 12 |
| Construction workers—average number..... | 3, 4, 10 | 3, 10 | | | | |
| Other employees—average number..... | 4 | | | | | |
| Employer costs for fringe benefits—legally required and voluntary expenditures..... | 4 | | | | | |
| Establishments: | | | | | | |
| Number in business at end of year..... | 4 | | | | | |
| Number in business during year: | | | | | | |
| All..... | | 1 | | | 2 | |
| With payroll..... | 3, 4, 6, 10 | 1, 3, 10 | 7 | 2, 8 | | 12 |
| Without payroll..... | | 1 | | | 2 | |
| Hours—construction workers: | | | | | | |
| Total..... | 3, 4, 10 | 3, 10 | 7 | 8 | | |
| Quarterly..... | 4, 10 | 10 | | | | |
| Inventories..... | 6 | | | | | |
| Materials, components, supplies, and fuels—payments for..... | 3, 4 | 3 | 7 | 8 | | 12 |
| Payroll: | | | | | | |
| First quarter, all employees..... | 4 | | | | | |
| Annual: | | | | | | |
| All employees..... | 3, 4 | 3 | 7 | 8 | | 12 |
| Construction workers..... | 3, 4 | 3 | | | | |
| Other employees..... | 4 | | | | | |
| Power, fuels, and lubricants—payments for..... | 4 | | | | | |
| Proprietors and working partners: | | | | | | |
| All establishments..... | | 1 | | | 2 | |
| Establishments with payroll..... | 4 | 1 | | | 2 | |
| Establishments without payroll..... | | 1 | | | 2 | |
| Ratios, industry..... | 11 | 11 | | | | |
| Receipts: | | | | | | |
| Dollar value of business done: | | | | | | |
| All establishments..... | | 1 | | | 2 | |
| Establishments with payroll..... | 4 | 1 | 7 | 2, 8 | | |
| Establishments without payroll..... | | 1 | | | 2 | |
| Value of construction work, total..... | 3, 4, 6 | 3 | 7 | 8 | | 4, 9, |
| For work subcontracted in from others..... | 4 | | | | | 12 |
| Other business receipts..... | 4 | | | | | |
| Land receipts ³ | 4 | | | | | |
| Net value of construction work..... | 3, 4 | 3 | 7 | 8 | | 12 |
| Value added..... | 3, 4 | 3 | 7 | 8 | | 12 |
| Rental payments: | | | | | | |
| Total..... | 3, 4 | 3 | 7 | 8 | | |
| For machinery and equipment..... | 4 | | | | | |
| For buildings..... | 4 | | | | | |
| Repairs to buildings and other structures..... | 4 | | | | | |
| Repairs to machinery and equipment..... | 4 | | | | | |
| Subcontract work to others, payments for..... | 3, 4 | 3 | 7 | 8 | | 12 |

Note: Data for 1982 and earlier years are also available in some of these tables.

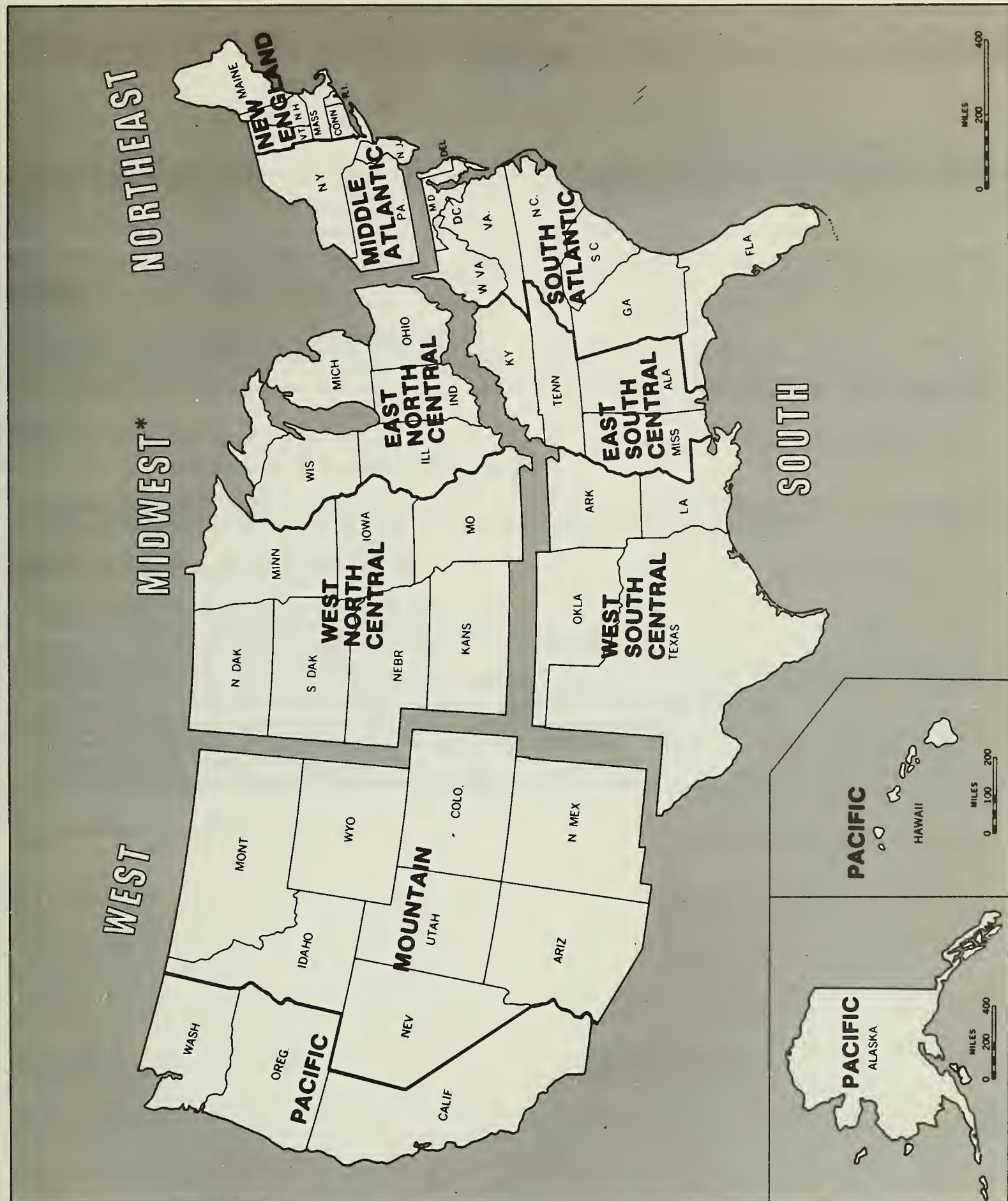
¹Type—buildings, roads, etc. Class—new construction; additions, alterations, or reconstruction; or maintenance and repair work. Ownership—private or government owned.

²CMSA—Consolidated metropolitan statistical area; PMSA—Primary metropolitan statistical area; MSA—Metropolitan Statistical area.

³Land receipts are shown separately for SIC's 1531 and 6552 only.

REGIONS AND CENSUS DIVISIONS OF THE UNITED STATES

MAP



U.S. DEPARTMENT OF COMMERCE
Bureau of the Census

* The Midwest Region was designated as the North Central Region until June 1984.



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Alaska

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Statistics for Establishments With Payroll

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--Not applicable for this report.

SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Alaska. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 5,227 establishments in this State operating in the construction industries or as land subdivider and developers. These establishments accounted for \$1.9 billion in total value of business done.

Most of the 5,227 construction establishments were small. Of the total, 3,720 were nonemployers, and over half of the employer establishments had less than 5 employees. The 585 construction establishments with 5 employees or more, while representing only 11 percent of all establishments, accounted for more than 83 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$1.73 billion on total dollar value of business done. Of this amount, \$1.68 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$329 million, leaving net value of construction work of \$1.4 billion. In addition, these establishments paid out \$571 million for the cost of materials, fuels, power, rental of equipment and buildings,

and the cost of selected purchased services. Value added for 1987 was \$932 million. (See Introduction and appendices for explanation of terms.)

There were 1,507 establishments with total employment averaging 12,764 during the year. Total payroll for 1987 was \$428 million. Total hours worked by construction workers during the year were 17.7 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 3,720 establishments with no payroll classified as construction or land subdivider and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$162 million. Most of these establishments, about 69 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

1987 1982

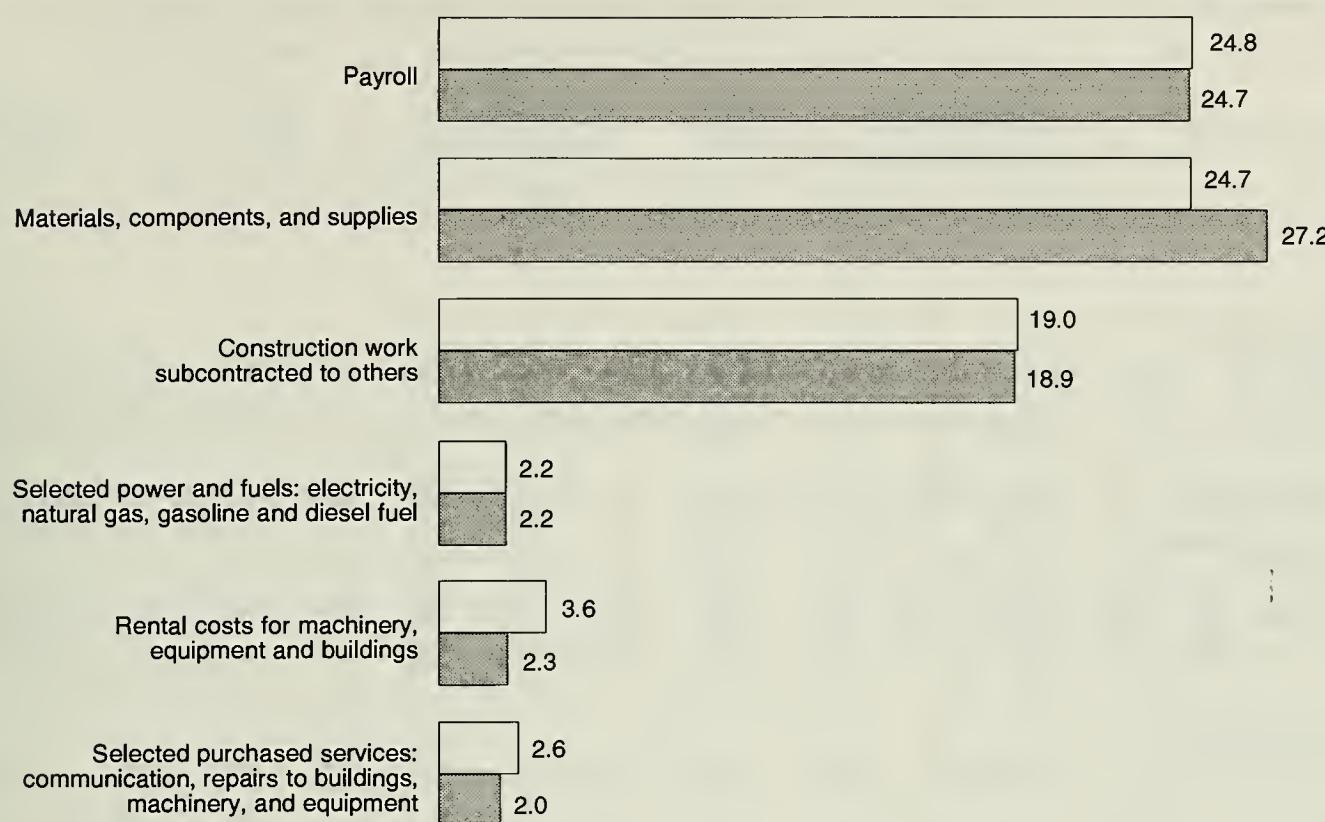


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

1987 1982

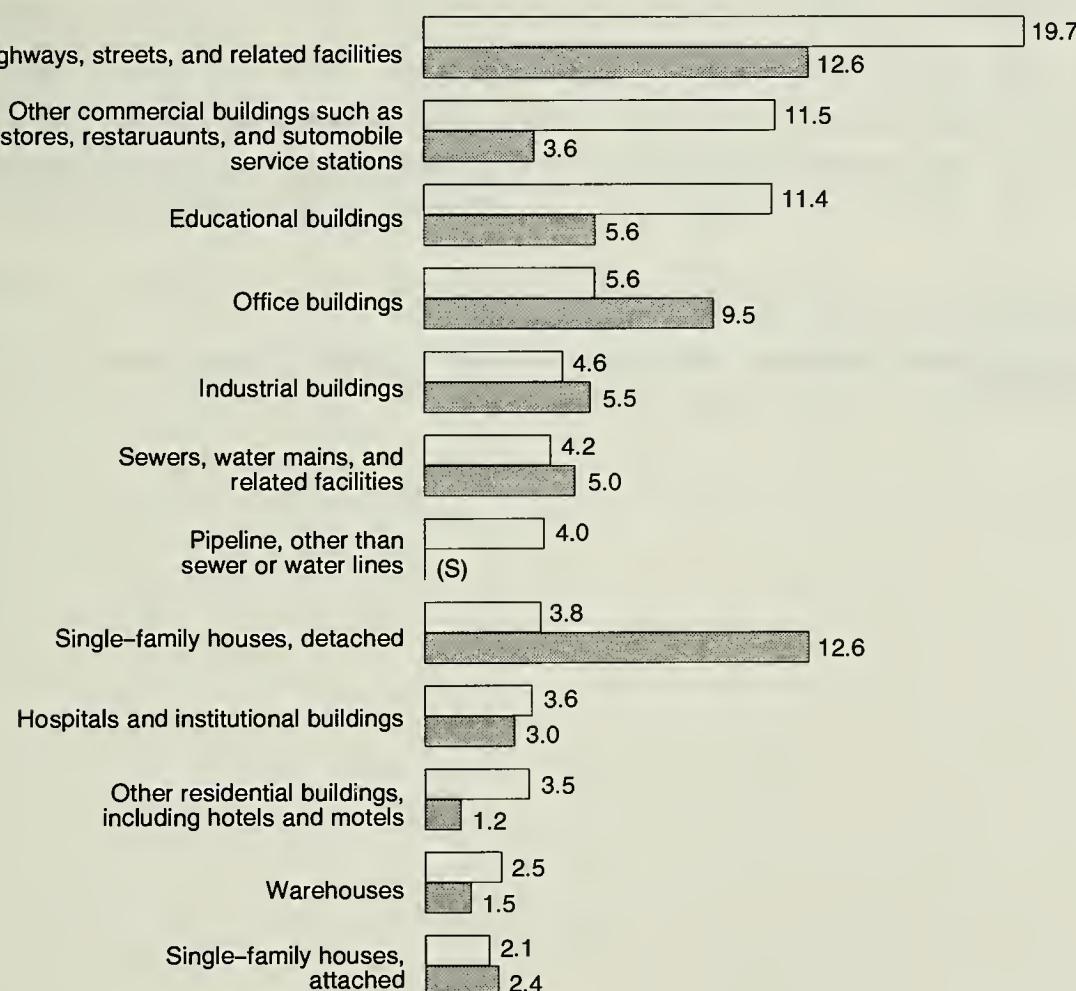


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | All establishments | | | | Establishments without payroll | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | |
|---------------------|--|--------------------|--|----------------------|--|--------------------------------|--|--|-----------------------------|--|----------------------|---|-----|--|---|
| | | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done | Number | Propri- tors and working partners | Dollar value of business done | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done ¹ | K | J | K |
| | | A | B | C | D | E | F | G | H | I | J | K | J | K | |
| | 1987 | | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers ----- | 5 227 | 4 115 | 12 764 | 1 888 839 | 3 720 | 3 720 | 162 292 | 1 507 | 395 | 12 764 | 1 726 547 | 2 | 2 | |
| 15, 16, 17 | Construction industries ----- | 5 033 | 3 880 | 12 741 | 1 871 402 | 3 541 | 3 489 | 145 887 | 1 492 | 391 | 12 741 | 1 725 515 | 2 | 2 | |
| 15 | Building construction—General contractors and operative builders ----- | 1 246 | 855 | 4 440 | 703 729 | 638 | 769 | 52 073 | 408 | 86 | 4 440 | 651 656 | 5 | 4 | |
| 16 | Heavy construction other than building construction— contractors ----- | 364 | 183 | (D) | (D) | 142 | 139 | 11 933 | 222 | 44 | (D) | (D) | (D) | (D) | |
| 17 | Special trade contractors ----- | 3 423 | 2 842 | (D) | (D) | 2 561 | 2 581 | 81 880 | 862 | 261 | (D) | (D) | (D) | (D) | |
| 1711 | Plumbing, heating, and air-conditioning -- | 402 | 246 | 871 | 116 236 | 229 | 228 | 9 295 | 173 | 18 | 871 | 106 941 | 8 | 8 | |
| 1731 | Electrical work----- | 308 | 211 | 917 | 108 355 | 161 | 155 | 5 960 | 147 | 56 | 917 | 102 395 | 5 | 5 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 184 | (S) | (S) | (S) | 179 | 231 | 16 405 | *7 | (S) | (S) | (S) | (S) | (S) | |
| | 1982 | | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers ----- | 5 739 | 4 686 | 22 229 | 2 473 639 | 3 982 | 4 087 | 307 606 | 1 757 | 599 | 22 229 | 2 166 033 | 1 | 1 | |
| 15, 16, 17 | Construction Industries ----- | 5 580 | 4 509 | 22 046 | 2 433 059 | 3 850 | 3 915 | 280 994 | 1 730 | 594 | 22 046 | 2 152 065 | 1 | 1 | |
| 15 | Building construction—General contractors and operative builders ----- | 1 859 | 1 400 | 5 543 | 860 294 | 1 233 | 1 249 | 142 838 | 626 | 151 | 5 543 | 717 458 | 3 | 2 | |
| 16 | Heavy construction other than building construction— contractors ----- | 411 | 309 | 6 322 | 655 368 | 253 | 264 | 19 913 | 158 | 45 | 6 322 | 635 455 | 1 | 1 | |
| 17 | Special trade contractors ----- | 3 310 | 2 800 | 10 181 | 917 397 | 2 364 | 2 402 | 118 243 | 946 | 398 | 10 181 | 799 154 | 2 | 2 | |
| 1711 | Plumbing, heating, and air-conditioning -- | 344 | 248 | 1 876 | 171 940 | 206 | 211 | 11 843 | 138 | 37 | 1 876 | 160 097 | 4 | 6 | |
| 1731 | Electrical work----- | 330 | 274 | 3 452 | 249 569 | 138 | 134 | 10 534 | 192 | *140 | 3 452 | 239 035 | 2 | 3 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 155 | 175 | 178 | 40 577 | 132 | 172 | 26 612 | 23 | (S) | 178 | 13 965 | 24 | 17 | |

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. **Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Receipts size | All establishments | | | | Establishments without payroll ¹ | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | |
|----------------------------------|--------------------|----------------------------------|-----------------|-------------------------------|---|----------------------------------|-------------------------------|-----------------------------|----------------------------------|-----------------|--|------|---|------|
| | Number | Proprietors and working partners | All employees** | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of business done ² | | | |
| | A | B | C | D | E | F | G | H | I | J | K | | J | K |
| 1987 | | | | | | | | | | | | | | |
| The State ----- | 5 227 | 4 115 | 12 764 | 1 888 839 | 3 720 | 3 720 | 162 292 | 1 507 | 395 | 12 764 | 1 726 547 | 2 | 2 | |
| \$10,000,000 or more ----- | 26 | 4 | 4 381 | 668 160 | — | — | — | 26 | 4 | 4 381 | 668 160 | (W) | (W) | |
| \$5,000,000 to \$9,999,999 ----- | 32 | — | 1 211 | 223 877 | — | — | — | 32 | — | 1 211 | 223 877 | (W) | (W) | 7 |
| \$2,500,000 to \$4,999,999 ----- | 73 | 10 | 1 372 | (D) | 2 | 1 | (D) | 71 | 9 | 1 372 | 251 733 | 5 | | |
| \$1,000,000 to \$2,499,999 ----- | 179 | 21 | 1 936 | 539 919 | 11 | 9 | 21 771 | 168 | 12 | 1 936 | 266 415 | 12 | 11 | |
| \$500,000 to \$999,999 ----- | 263 | 82 | 1 742 | 185 016 | 26 | 21 | 17 388 | 237 | 61 | 1 742 | 167 628 | 11 | 10 | |
| \$250,000 to \$499,999 ----- | (S) | (S) | (S) | (S) | 67 | 65 | 22 470 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$100,000 to \$249,999 ----- | (S) | (S) | (S) | (S) | 242 | 236 | 37 150 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$50,000 to \$99,999 ----- | 575 | 478 | 243 | 40 852 | 380 | 382 | 26 737 | 195 | 96 | 243 | 14 115 | 19 | 16 | |
| \$25,000 to \$49,999 ----- | (S) | (S) | (S) | (S) | 518 | 518 | 18 087 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| Less than \$25,000 ----- | (S) | (S) | (S) | (S) | 2 474 | 2 488 | 18 689 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 732 | 740 | 12 218 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 535 | 527 | 3 909 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,000 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 460 | 469 | 1 683 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,000 ----- | (NA) | (NA) | (NA) | (NA) | 747 | 752 | 879 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | | | | | | | |
| The State ----- | 5 739 | 4 686 | 22 229 | 2 473 639 | 3 982 | 4 087 | 307 606 | 1 757 | 599 | 22 229 | 2 166 033 | 1 | 1 | |
| \$10,000,000 or more ----- | 34 | 10 | 8 171 | 832 490 | — | — | — | 34 | 10 | 8 171 | 832 490 | (W) | (W) | |
| \$5,000,000 to \$9,999,999 ----- | 53 | 4 | 3 487 | (D) | — | — | — | 53 | 4 | 3 487 | (D) | (W) | (W) | |
| \$2,500,000 to \$4,999,999 ----- | 80 | 19 | 2 359 | 660 901 | 9 | 9 | 31 153 | 71 | 10 | 2 359 | 629 748 | (W) | (W) | |
| \$1,000,000 to \$2,499,999 ----- | 244 | 81 | 2 913 | 375 941 | 36 | 40 | 50 104 | 208 | 41 | 2 913 | 325 837 | 5 | 6 | |
| \$500,000 to \$999,999 ----- | 313 | 128 | 2 161 | 221 948 | 60 | 58 | 41 169 | 253 | 70 | 2 161 | 180 779 | 8 | 8 | |
| \$250,000 to \$499,999 ----- | 443 | 245 | 1 511 | 160 227 | 154 | 163 | 54 740 | 289 | 82 | 1 511 | 105 487 | 9 | 9 | |
| \$100,000 to \$249,999 ----- | 857 | 685 | 1 063 | 136 251 | 409 | 435 | 64 461 | 448 | 250 | 1 063 | 71 790 | 9 | 11 | |
| \$50,000 to \$99,999 ----- | 607 | 492 | 330 | 43 140 | 410 | 435 | 28 811 | 197 | 57 | 330 | 14 329 | 14 | 10 | |
| \$25,000 to \$49,999 ----- | 632 | 591 | 131 | 22 439 | 524 | 536 | 18 300 | 108 | 55 | 131 | 4 139 | 19 | 15 | |
| Less than \$25,000 ----- | 2 474 | 2 431 | 101 | 20 300 | 2 380 | 2 411 | 18 868 | 94 | *20 | 101 | 1 432 | 14 | 18 | |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 811 | 819 | 12 843 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 573 | 580 | 4 010 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,500 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 548 | 558 | 1 567 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,500 ----- | (NA) | (NA) | (NA) | (NA) | 448 | 454 | 448 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | 1987 | | | | | | | |
|---------------------|--|----------------------------------|-------------|-------------------------|------------------|-------------------------|---|----------------------------------|--------------------------------------|
| | | Number of establish- ments | Employees** | | Payroll | | Construction worker hours (thousands) | Value of construction work | Net value of construction work |
| | | | All | Construction workers | All employees | Construction workers | | | |
| | | A | B | C | D | E | F | G | H |
| | Construction Industries and land subdivider and developers | 1 507 | 12 764 | 10 091 | 428 265 | 307 897 | 17 677 | 1 680 844 | 1 351 935 |
| 15, 16, 17 | Construction industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | 195 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings | 12 | 185 | 154 | 5 845 | 3 364 | 225 | 29 761 | 16 117 |
| 1531 | Operative builders | *22 | *29 | (S) | 714 | (S) | (S) | 7 552 | *5 639 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 43 | 361 | 246 | 12 375 | 8 709 | 406 | 55 960 | 39 303 |
| 1542 | Nonresidential buildings, n.e.c. | 136 | 2 769 | 2 074 | 100 719 | 57 010 | 3 791 | 426 884 | 304 552 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 84 | 1 803 | 1 529 | 87 200 | 71 023 | 3 253 | 349 103 | 288 715 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines | 50 | 969 | 820 | 29 605 | 24 586 | 1 519 | 138 542 | 123 140 |
| 1629 | Heavy construction, n.e.c. | 86 | 1 142 | 934 | 42 750 | 27 675 | 1 432 | 109 420 | 96 679 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 173 | 871 | 632 | 26 623 | 19 094 | 1 199 | 104 971 | 86 851 |
| 1721 | Painting and paper hanging | 66 | 263 | 230 | 6 665 | 5 843 | 357 | 20 807 | 19 107 |
| 1731 | Electrical work | 147 | 917 | 680 | 34 410 | 25 927 | 1 184 | 101 691 | 98 721 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 6 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work | 49 | 315 | 257 | 11 012 | 9 163 | 406 | 27 207 | 26 199 |
| 1743 | Terrazzo, tile, marble, and mosaic work | *12 | (D) | *31 | (D) | *1 134 | *55 | 4 331 | *4 233 |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 49 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floor work | 30 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1761 | Roofing, siding, and sheet metal work | 32 | 215 | 176 | 6 799 | 4 904 | 266 | 27 073 | 26 012 |
| 1771 | Concrete work | 53 | 264 | 216 | 5 435 | 4 685 | 268 | 21 222 | 19 595 |
| 1781 | Water well drilling | 6 | 46 | 38 | 1 100 | 860 | 58 | 4 372 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 24 | 184 | 160 | 4 701 | 4 401 | 254 | 15 134 | 14 171 |
| 1793 | Glass and glazing work | 10 | 76 | 50 | 1 996 | 1 222 | 82 | 5 374 | (D) |
| 1794 | Excavation work | 96 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. | 8 | 47 | 34 | 2 184 | 1 719 | 65 | 7 220 | (D) |
| 1799 | Special trade contractors, n.e.c. | 99 | 545 | 413 | 14 552 | 11 330 | 767 | 39 237 | 37 232 |
| 6552 | Land subdivider and developers, n.e.c. | *7 | (S) | (S) | (S) | (S) | (S) | (D) | (S) |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.

1982

| Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees** | Total construction receipts ¹ | Value added†† | Relative standard error of estimate (percent) for column— | | | 1987 SIC code |
|--|--|---|--|---------------------------------------|--|--|--|-------------------------------|---|-----------------------------|-------------------------------------|-----------------------------|
| | | | | | | | | | B | H | M | |
| I | J | K | L | M | N | O | P | Q | B | H | M | |
| 932 139 | 464 400 | 328 908 | 62 247 | 17 288 | 297 892 | 22 229 | 2 055 137 | 1 101 841 | 2 | 2 | 7 | 15, 16, 17 |
| 9 926 | (S) 7 959 | (S) 13 643 | (S) 191 | (S) 102 | (S) 850 | (S) (S) | (S) (S) | (S) (S) | (S) 16 | (S) 11 | (S) 26 | 152 1521 1522 |
| 1 712 | (S) | *1 912 | (S) | (S) | (D) | 458 | 73 341 | 12 488 | 63 | 65 | (S) | 1531 |
| 25 622 204 992 | (D) 104 395 | 16 656 122 331 | 6 279 | 1 376 1 794 | 9 186 29 149 | 812 2 123 | 55 225 358 099 | 24 416 127 309 | 15 3 | 15 5 | 8 10 | 154 1541 1542 |
| | | | | | | | | | | | | 16 |
| 216 423 | 82 756 | 60 387 | 34 192 | 3 933 | 106 766 | 2 298 | 243 896 | 144 999 | 3 | 4 | 10 | 1611 |
| 84 069 68 186 | (D) 40 544 35 279 | (D) 15 401 12 741 | (D) 3 792 3 932 | (D) 1 589 1 992 | (D) 22 719 34 821 | 448 1 546 2 030 | 32 148 154 356 172 292 | 10 620 80 019 140 167 | (D) 4 10 | (D) 5 7 | (D) 5 11 | 162 1622 1623 1629 |
| | | | | | | | | | | | | 17 |
| 54 019 | 34 801 | 18 120 | 2 100 | 301 | 8 798 | 1 876 | 150 235 | 74 557 | 8 | 9 | 18 | 1711 |
| 14 909 | 4 218 | 1 700 | 278 | 782 | 2 497 | 248 | 17 880 | 11 792 | 12 | 12 | 17 | 1721 |
| 64 367 | 35 057 | *2 969 | 2 526 | 621 | 21 575 | 3 452 | 234 373 | 152 915 | 5 | 5 | 36 | 1731 |
| 20 480 *2 449 | (S) 5 963 (D) | (S) 1 007 98 | (D) 786 (S) | (S) (D) - | (S) 2 514 (S) | (S) 777 (D) | (S) 48 023 (S) | (S) 24 179 (D) | (S) 10 (D) | (S) 10 55 | (S) (D) - | 174 1741 1742 1743 |
| (S) (S) | (S) (S) | (S) (S) | (S) (D) | (S) (S) | (S) (S) | 299 130 | 22 746 11 827 | 13 591 4 312 | (S) (S) | (S) (S) | (S) (S) | 175 1751 1752 |
| 14 152 | (D) | 1 061 | 238 | 247 | 4 675 | 535 | 40 285 | 22 510 | 8 | 5 | 11 | 1761 |
| 12 340 | 7 444 | 1 626 | 729 | 120 | 4 632 | (D) | 42 207 | (D) | 20 | 14 | 34 | 1771 |
| 3 142 | 1 286 | (D) | *70 | *168 | 3 227 | (S) | (S) | (S) | 16 | (D) | 57 | 1781 |
| 11 204 3 237 (S) (D) 5 086 | (D) 3 505 (D) (S) (D) 2 094 | 963 174 (S) (D) 81 | 743 - (S) (D) 318 | (D) 338 (S) (D) 6 192 | (D) 97 (S) (D) 98 | (S) 6 310 126 323 (D) 11 586 | (S) 4 478 (S) (D) 9 181 | (S) 5 (S) (D) (W) | 5 2 (D) (D) (D) | 7 - (S) (D) (D) | 179 1793 1794 1795 1796 | |
| 33 716 | 7 947 | 2 004 | 918 | *730 | 178 | 8 703 | 5 727 | (S) | (S) | (S) | 42 | 1799 |
| (D) | (D) | (D) | (S) | (S) | (S) | | | | | | | 6552 |

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | 1977 | 1972 | Relative standard error of estimate (percent) | | | |
|---|-----------|-----------|-----------|---------|--|------|------|------|
| | | | | | 1987 | 1982 | 1977 | 1972 |
| Number of establishments in business during year | 1 507 | 1 757 | 1 396 | 1 055 | 3 | 4 | 5 | 7 |
| Proprietors and working partners | 395 | 599 | 814 | 647 | 12 | 17 | 10 | 9 |
| All employees** | 12 764 | 22 229 | 16 855 | 6 836 | 2 | 1 | 1 | 5 |
| Construction workers: | | | | | | | | |
| March | 8 400 | 13 771 | 11 574 | 3 192 | 3 | 1 | 1 | 6 |
| May | 10 565 | 17 266 | 15 139 | 5 593 | 3 | 2 | 2 | 7 |
| August | 12 124 | 22 636 | 17 474 | 8 575 | 3 | 1 | 2 | 6 |
| November | 9 276 | 17 189 | 13 429 | 5 486 | 3 | 2 | 2 | 5 |
| Average | 10 091 | 17 824 | 14 417 | 5 840 | 3 | 1 | 1 | 5 |
| Other employees: | | | | | | | | |
| March | 2 510 | 4 336 | 2 226 | 875 | 2 | 2 | 3 | 5 |
| May | 2 705 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| August | 2 890 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| November | 2 586 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| Average | 2 673 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Construction worker hours (thousands): | | | | | | | | |
| January to March | 3 449 | 4 972 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| April to June | 4 649 | 6 063 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| July to September | 5 428 | 8 053 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| October to December | 4 150 | 6 231 | (NA) | (NA) | 3 | 2 | (NA) | (NA) |
| Total hours worked | 17 677 | 25 320 | (NA) | (NA) | 3 | 1 | (NA) | (NA) |
| Payroll, all employees | 428 265 | 534 677 | 463 639 | 100 422 | 2 | 1 | 1 | 4 |
| Payroll, construction workers | 307 897 | 433 377 | 399 045 | 85 009 | 2 | 1 | 1 | 4 |
| Payroll, other employees | 120 368 | 101 300 | 64 594 | 15 413 | 2 | 1 | 1 | 4 |
| First quarter payroll, all employees | 87 882 | 99 917 | 79 707 | (NA) | 2 | 1 | 1 | (NA) |
| Employer costs for fringe benefits, all employees | 107 651 | 102 914 | 92 575 | (NA) | 2 | 1 | 1 | (NA) |
| Legally required expenditures | 77 727 | 77 750 | 43 116 | (NA) | 2 | 1 | 1 | (NA) |
| Voluntary expenditures | 29 923 | 25 164 | 49 459 | (NA) | 2 | 1 | 1 | (NA) |
| Dollar value of business done | 1 726 547 | 2 166 033 | 1 427 807 | 414 446 | 2 | 1 | 1 | 7 |
| Value of construction work ¹ | 1 680 844 | 2 055 137 | 1 374 077 | 396 474 | 2 | 1 | 1 | 6 |
| Value of construction work subcontracted in from others | 303 621 | 435 134 | 250 291 | 72 289 | 6 | 10 | (W) | (W) |
| Land receipts ² | *1 098 | 17 156 | (NA) | (NA) | 47 | 5 | (NA) | (NA) |
| Other business receipts | 44 604 | 93 739 | 53 730 | 17 972 | 6 | 2 | 2 | 25 |
| Net value of construction [†] | 1 351 935 | 1 644 925 | 1 130 233 | 304 272 | 2 | 1 | 1 | 5 |
| Value added†† | 932 139 | 1 101 841 | 803 139 | 204 291 | 2 | 1 | 1 | 4 |
| Selected costs | | | | | | | | |
| Materials, components, and supplies ³ | 793 309 | 1 047 034 | 617 730 | 202 935 | 3 | 2 | 2 | 9 |
| Construction work subcontracted to others | 426 755 | 589 248 | 350 713 | 110 733 | 3 | 2 | 2 | 7 |
| Selected power, fuels, and lubricants | 328 908 | 410 212 | 243 844 | 92 202 | 3 | 1 | 2 | 13 |
| Electricity | 37 644 | 47 574 | 23 173 | (NA) | 2 | 2 | 2 | (NA) |
| Natural gas | 3 881 | 4 542 | 3 720 | (NA) | 3 | 3 | 3 | (NA) |
| Gasoline and diesel fuel | 1 200 | 1 022 | 965 | (NA) | 4 | 4 | 4 | (NA) |
| On highway use | 29 012 | 39 345 | 15 491 | (NA) | 2 | 3 | 2 | (NA) |
| Off highway use | 19 617 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Other, including lubricating oils and greases | 9 394 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| | 3 550 | 2 664 | 3 002 | (NA) | 6 | 3 | 4 | (NA) |
| Rental cost for machinery, equipment, and buildings | 62 247 | 49 228 | 30 406 | (NA) | 2 | 4 | 4 | (NA) |
| For machinery and equipment | 52 179 | 40 802 | 26 018 | 16 946 | 2 | 5 | 4 | 26 |
| For buildings | 10 068 | 8 425 | 4 388 | (NA) | 6 | 3 | 3 | (NA) |
| Selected purchased services | 44 030 | 44 148 | 40 390 | (NA) | 4 | 2 | 4 | (NA) |
| Communication services | 7 808 | 6 799 | 4 193 | (NA) | 5 | 2 | 10 | (NA) |
| Repairs to buildings and other structures | 1 303 | 2 722 | 2 847 | (NA) | 5 | 2 | 3 | (NA) |
| Repairs to machinery and equipment | 34 918 | 34 625 | 33 351 | (NA) | 4 | 2 | 4 | (NA) |
| Ownership of construction projects: | | | | | | | | |
| Value of construction work | 1 680 844 | 2 055 137 | 1 374 077 | 396 474 | 2 | 1 | 1 | 6 |
| Government owned | 1 059 102 | 790 828 | 328 154 | 210 247 | 3 | 2 | 1 | 7 |
| Federal | 374 668 | (NA) | (NA) | (NA) | 4 | (NA) | (NA) | (NA) |
| State and local | 684 434 | (NA) | (NA) | (NA) | 4 | (NA) | (NA) | (NA) |
| Privately owned | 621 741 | 1 264 308 | 1 045 923 | 186 227 | 5 | 2 | 1 | 11 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

³For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) | |
|--|---------|---------|---|------|
| | | | 1987 | 1982 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT | | | | |
| Beginning-of-year gross book value of depreciable assets | 308 128 | 430 843 | 5 | 2 |
| Capital expenditures, other than land | 17 288 | 50 330 | 7 | 3 |
| New | 9 946 | 30 389 | 5 | 3 |
| Used | 7 342 | 19 940 | 13 | 4 |
| Retirements and disposition of depreciable assets | 27 524 | 20 662 | 34 | 2 |
| End-of-year gross book value of depreciable assets | 297 892 | 460 510 | 3 | 2 |
| Depreciation charges during year | 31 442 | 60 803 | 5 | 2 |
| Buildings and Other Structures, Additions, and Related Facilities | | | | |
| Beginning-of-year gross book value of depreciable assets | 43 899 | 84 366 | 10 | 3 |
| Capital expenditures, other than land | 2 154 | 4 153 | 22 | 6 |
| New buildings and other structures | 1 171 | 3 058 | 19 | 7 |
| Used buildings and other structures | *982 | 1 094 | 42 | 13 |
| Retirements and disposition of depreciable assets | 507 | 1 848 | 24 | 9 |
| End-of-year gross book value of depreciable assets | 45 545 | 86 671 | 11 | 3 |
| Depreciation charges during year | 3 274 | 11 015 | 9 | 4 |
| Machinery and Equipment | | | | |
| Beginning-of-year gross book value of depreciable assets | 264 229 | 346 477 | 5 | 2 |
| Capital expenditures, other than land | 15 134 | 46 177 | 5 | 3 |
| New machinery and equipment, including automobiles and trucks | 8 774 | 27 331 | 5 | 3 |
| New automobiles and trucks, intended primarily for highway use | 2 451 | 10 533 | 7 | 5 |
| Used machinery and equipment, including automobiles and trucks | 8 359 | 18 845 | 10 | 5 |
| Retirements and disposition of depreciable assets | 27 017 | 18 814 | 34 | 2 |
| End-of-year gross book value of depreciable assets | 252 346 | 373 839 | 3 | 2 |
| Depreciation charges during year | 28 187 | 49 788 | 5 | 2 |

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
|-------------------------------------|-----------------------------|---|
| All establishments: | | |
| Number | 1 507 | 3 |
| Value of construction work | 1 680 844 | 2 |
| Establishments with inventories: | | |
| Number | 563 | 8 |
| Value of construction work | 529 205 | 6 |
| Inventories ¹ : | | |
| End of 1987, materials and supplies | 12 252 | 8 |
| End of 1986, materials and supplies | 12 565 | 7 |
| Establishments with no inventories: | | |
| Number | 814 | 7 |
| Value of construction work | 733 587 | 5 |
| Establishments not reporting: | | |
| Number | 330 | 12 |
| Value of construction work | 418 052 | 3 |

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of— | | | | | | | | | |
|---|-----------|------------------------------------|------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-------------------------|-----|
| | | 1 to 4 employees | 5 to 9 employees | 10 to 19 employees | 20 to 49 employees | 50 to 99 employees | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | 1,000 employees or more | |
| 1987 | | | | | | | | | | | |
| Number of establishments | 1 507 | 922 | 308 | 178 | 68 | 17 | 9 | 1 | 1 | 1 | 1 |
| All employees** | 12 764 | 1 627 | 1 976 | 2 312 | 1 995 | 1 137 | 1 435 | 2 279 | (D) | (D) | (D) |
| Payroll, all employees | 428 265 | 31 706 | 58 627 | 72 538 | 76 376 | 56 910 | 132 106 | (D) | (D) | (D) | (D) |
| Construction worker hours (thousands) | 17 677 | 1 952 | 2 580 | 2 565 | 3 103 | 1 804 | 2 232 | 3 439 | (D) | (D) | (D) |
| Dollar value business done | 1 726 547 | 161 662 | 254 774 | 339 407 | 332 720 | 223 157 | 169 986 | 244 839 | (D) | (D) | (D) |
| Value of construction work ¹ | 1 680 844 | 157 719 | 244 436 | 328 337 | 322 331 | 383 180 | (D) | 244 839 | (D) | (D) | (D) |
| Net value of construction work† | 1 351 935 | 137 894 | 195 871 | 260 968 | 238 115 | 156 560 | 362 525 | (D) | (D) | (D) | (D) |
| Value added†† | 932 139 | 85 908 | 125 393 | 187 014 | 163 948 | 94 234 | 123 469 | 152 172 | (D) | (D) | (D) |
| Cost of materials, components, supplies, and fuels | 464 400 | 54 829 | 80 816 | 85 024 | 84 556 | 159 173 | (D) | (D) | (D) | (D) | (D) |
| Cost of construction work subcontracted to others | 328 908 | 19 825 | 48 564 | 67 368 | 84 216 | 108 934 | (D) | (D) | (D) | (D) | (D) |
| Rental cost for machinery, equipment, and buildings | 62 247 | 4 727 | 7 544 | 7 856 | 7 363 | 3 950 | 30 805 | (D) | (D) | (D) | (D) |
| Capital expenditures, other than land | 17 288 | 2 691 | 2 555 | 3 674 | 3 097 | 5 271 | (D) | (D) | (D) | (D) | (D) |
| End-of-year gross book value of depreciable assets | 297 892 | 45 800 | 43 524 | 55 457 | 76 858 | 42 613 | 33 639 | (D) | (D) | (D) | (D) |
| 1982 | | | | | | | | | | | |
| All employees** | 22 229 | 2 079 | 2 272 | 2 712 | 3 318 | 2 525 | 4 247 | 1 762 | 3 313 | — | — |
| Value of construction work ¹ | 2 055 137 | 190 420 | 225 228 | 320 594 | 356 871 | 281 334 | 375 581 | 151 473 | 153 635 | — | — |
| Value added†† | 1 101 841 | 91 366 | 98 054 | 152 180 | 183 851 | 153 910 | 237 613 | 78 722 | 106 142 | — | — |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** | 2 | 7 | 8 | 9 | 9 | (W) | (W) | (W) | (W) | (D) | (D) |
| Net value of construction work† | 2 | 7 | 9 | 8 | 4 | (W) | (W) | (W) | (D) | (D) | (D) |
| Capital expenditures, other than land | 7 | 18 | 16 | 27 | 10 | (W) | (D) | (D) | (D) | (D) | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done— | | | | | | | | | |
|---|-----------|--|----------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|----------------------------|----------------------|
| | | Less than \$25,000 | \$25,000 to \$49,999 | \$50,000 to \$99,999 | \$100,000 to \$249,999 | \$250,000 to \$499,999 | \$500,000 to \$999,999 | \$1,000,000 to \$2,499,999 | \$2,500,000 to \$4,999,999 | \$5,000,000 to \$9,999,999 | \$10,000,000 or more |
| 1987 | | | | | | | | | | | |
| Number of establishments | 1 507 | (S) | (S) | 195 | (S) | (S) | 237 | 168 | 71 | 32 | 26 |
| All employees** | 12 764 | (S) | (S) | 243 | (S) | (S) | 1 742 | 1 936 | 1 372 | 1 211 | 4 381 |
| Payroll, all employees | 428 265 | (S) | (S) | 3 067 | (S) | (S) | 43 102 | 63 465 | 50 633 | 61 509 | 172 639 |
| Construction worker hours (thousands) | 17 677 | (S) | (S) | 225 | (S) | (S) | 1 941 | 2 475 | 1 937 | 2 118 | 6 682 |
| Dollar value of business done | 1 726 547 | (S) | (S) | 14 115 | (S) | (S) | 167 628 | 266 415 | 251 733 | 223 877 | 668 160 |
| Value of construction work ¹ | 1 680 844 | (S) | (S) | 13 567 | (S) | (S) | 159 047 | 258 742 | 241 963 | 217 841 | 658 874 |
| Net value of construction work† | 1 351 935 | (S) | (S) | 12 909 | (S) | (S) | 134 717 | 213 703 | 187 598 | 171 590 | 515 751 |
| Value added†† | 932 139 | (S) | (S) | 8 339 | (S) | (S) | 89 171 | 140 584 | 129 917 | 129 075 | 360 934 |
| Cost of materials, components, supplies, and fuels | 464 400 | (S) | (S) | 5 031 | (S) | (S) | 53 665 | 80 792 | 67 450 | 48 551 | 164 103 |
| Cost of construction work subcontracted to others | 328 908 | (S) | (S) | 658 | (S) | (S) | 24 329 | 45 038 | 54 365 | 46 251 | 143 123 |
| Rental cost for machinery, equipment, and buildings | 62 247 | (S) | (S) | *257 | (S) | (S) | 5 338 | 7 501 | 6 264 | 6 820 | 33 205 |
| Capital expenditures, other than land | 17 288 | (S) | (S) | *101 | (S) | (S) | 2 855 | 3 609 | 2 268 | 2 690 | 4 551 |
| End-of-year gross book value of depreciable assets | 297 892 | (S) | (S) | 2 892 | (S) | (S) | 30 972 | 43 445 | 44 319 | 93 500 | 44 714 |
| 1982 | | | | | | | | | | | |
| All employees** | 22 229 | 1 101 | 131 | 330 | 1 063 | 1 511 | 2 161 | 2 913 | 2 359 | 3 487 | 8 171 |
| Value of construction work ¹ | 2 055 137 | 1 414 | 3 976 | 14 061 | 70 117 | 100 387 | 169 931 | 309 647 | 242 976 | 357 161 | 785 465 |
| Value added†† | 1 101 841 | 832 | 2 002 | 8 040 | 36 198 | 55 644 | 76 102 | 155 742 | 126 883 | 181 740 | 458 654 |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** | 2 | (S) | (S) | 19 | (S) | (S) | 11 | 12 | 5 | (W) | (W) |
| Net value of construction work† | 2 | (S) | (S) | 17 | (S) | (S) | 10 | 11 | 7 | (W) | (W) |
| Capital expenditures, other than land | 7 | (S) | (S) | 49 | (S) | (S) | 20 | 26 | 20 | 1 | (W) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. **Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|---|---|------------------|--|------------------------|---|-------------|-------------|-------------|
| | Total | New construction | Additions, alterations, or reconstruction ² | Maintenance and repair | | | | |
| | | | | | A | B | C | D |
| 1987 | | | | | | | | |
| Value of construction work¹ | 1 680 844 | 1 041 287 | 361 296 | 141 398 | 2 | 2 | 6 | 7 |
| Building construction | | | | | | | | |
| Single-family houses | 885 250 | 550 188 | 264 751 | 69 711 | 3 | 3 | 7 | 10 |
| Single-family houses, detached | 99 231 | 64 660 | 23 543 | 11 027 | 8 | 10 | 14 | 15 |
| Single-family houses, attached | 63 913 | (D) | 19 997 | (D) | 11 | (D) | 15 | (D) |
| Apartment buildings with two or more apartments | 35 318 | (D) | 3 546 | (D) | 5 | (D) | 36 | (D) |
| Other residential buildings, including hotels and motels | 9 567 | 3 182 | 4 743 | 1 642 | 20 | 5 | 39 | 10 |
| Hotels and motels | 58 021 | 26 925 | 23 437 | 7 658 | 5 | 8 | 5 | 19 |
| Other residential buildings, excluding hotels and motels | 22 657 | 12 229 | 6 144 | 4 283 | 5 | 1 | 1 | 28 |
| Office buildings | 35 364 | 14 696 | 17 293 | 3 375 | 8 | 15 | 6 | 26 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 94 392 | 38 470 | 43 960 | 11 961 | 10 | 19 | 11 | 16 |
| Industrial buildings and warehouses | 193 766 | 152 708 | 26 322 | 14 734 | 5 | 3 | 21 | 23 |
| Industrial buildings | 119 820 | 78 337 | 32 257 | 9 224 | 6 | 8 | 7 | 32 |
| Warehouses | 78 042 | 50 824 | 19 583 | 7 634 | 8 | 11 | 8 | 39 |
| Educational buildings | 41 778 | 27 513 | 12 674 | 1 590 | 6 | 5 | 14 | 17 |
| Hospitals and institutional buildings | 191 520 | 127 972 | 56 531 | 7 016 | 8 | 2 | 28 | 20 |
| Amusement, social, and recreational buildings | 59 653 | 30 790 | 26 760 | 2 102 | 11 | 12 | 21 | 9 |
| Other nonresidential buildings | 8 903 | 6 044 | 1 570 | 1 288 | 11 | 11 | 31 | 25 |
| Land development for buildings | 49 777 | 21 100 | 25 628 | 3 059 | 9 | 12 | 10 | 9 |
| | (S) | (NA) | (NA) | (NA) | (S) | (NA) | (NA) | (NA) |
| Nonbuilding construction | 659 333 | 491 099 | 96 546 | 71 687 | 3 | 3 | 8 | 6 |
| Highways, streets, and related facilities | 331 236 | 255 196 | 45 420 | 30 620 | 4 | 5 | 9 | 7 |
| Airport runways | 5 749 | *2 165 | (D) | (D) | 19 | 51 | (D) | (D) |
| Parking areas including private driveways | 8 471 | *3 581 | 4 442 | (S) | 31 | 45 | 26 | (S) |
| Bridges, tunnels, and elevated highways | 15 385 | 15 226 | (D) | (D) | (W) | (W) | (D) | (D) |
| Marine construction | 8 347 | 8 187 | (D) | (D) | (W) | (W) | (D) | (D) |
| Harbor and port facilities | 32 533 | 28 237 | 1 734 | *2 561 | 7 | 4 | 28 | 47 |
| Power and communication transmission lines, towers, and related facilities | 19 398 | 9 540 | 7 388 | 2 469 | 6 | 6 | 12 | 7 |
| Sewers, water mains, and related facilities | 69 920 | 49 703 | 15 418 | 4 798 | 10 | 11 | 27 | 19 |
| Sewers, sewer lines, and related facilities | 34 980 | 21 377 | 9 372 | 4 229 | 8 | 8 | 22 | 21 |
| Water mains and related facilities | 34 940 | 28 326 | 6 046 | 569 | 13 | 14 | 34 | 7 |
| Pipeline, other than sewer or water lines | 64 954 | (D) | (D) | 13 560 | 5 | (D) | (D) | 22 |
| Blast furnaces, petroleum refineries, and chemical complexes | 11 860 | (D) | (D) | 9 156 | 7 | (D) | (D) | 5 |
| Earthmoving, nonbuilding | 14 101 | 13 010 | (S) | *635 | 18 | 14 | (S) | 47 |
| Other nonbuilding construction | 77 379 | 106 254 | 22 144 | 7 888 | 10 | 17 | (W) | (W) |
| Construction work, n.s.k. | 136 259 | (NA) | (NA) | (NA) | 13 | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | |
| Value of construction work¹ | 2 055 137 | 1 767 004 | (NA) | 288 132 | 1 | 1 | (NA) | 2 |
| Building construction | | | | | | | | |
| Single-family houses | 1 063 267 | 946 511 | (NA) | 116 756 | 2 | 2 | (NA) | 4 |
| Single-family houses, detached | 308 889 | 274 412 | (NA) | 34 477 | 5 | 5 | (NA) | 8 |
| Single-family houses, attached | 259 130 | 228 860 | (NA) | 30 269 | 5 | 6 | (NA) | 9 |
| Apartment buildings with two or more apartments | 49 759 | 45 551 | (NA) | 4 207 | 9 | 10 | (NA) | 13 |
| Other residential buildings, including hotels and motels | 54 834 | 44 962 | (NA) | 9 871 | 8 | 7 | (NA) | 8 |
| Office buildings | 25 601 | 21 820 | (NA) | 3 780 | 10 | 12 | (NA) | 7 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 195 790 | 175 114 | (NA) | 20 676 | 3 | 3 | (NA) | 11 |
| Industrial buildings and warehouses | 73 652 | 60 942 | (NA) | 12 709 | 4 | 5 | (NA) | 8 |
| Industrial buildings | 144 909 | 128 607 | (NA) | 16 301 | 4 | 3 | (NA) | 9 |
| Warehouses | 113 165 | 100 792 | (NA) | 12 372 | 4 | 4 | (NA) | 7 |
| Educational buildings | 31 744 | 27 815 | (NA) | 3 928 | 9 | 9 | (NA) | 25 |
| Hospitals and institutional buildings | 114 988 | 104 687 | (NA) | 10 301 | 4 | 4 | (NA) | 7 |
| Amusement, social, and recreational buildings | 60 762 | 56 359 | (NA) | 4 402 | 4 | 4 | (NA) | 5 |
| Other nonresidential buildings | 34 899 | 33 380 | (NA) | 1 518 | 2 | 2 | (NA) | 5 |
| | 48 937 | 46 222 | (NA) | 2 715 | 2 | 2 | (NA) | 1 |
| Nonbuilding construction | 702 215 | 572 093 | (NA) | 130 121 | 1 | 1 | (NA) | 2 |
| Highways, streets, and related facilities | 259 423 | 227 950 | (NA) | 31 472 | 2 | 1 | (NA) | 10 |
| Bridges, tunnels, and elevated highways | 29 042 | (D) | (NA) | (D) | (W) | (D) | (NA) | (D) |
| Dam and reservoir construction | 19 345 | 19 345 | (NA) | — | (W) | (W) | (NA) | — |
| Harbor and port facilities | 34 069 | 31 947 | (NA) | 2 122 | 7 | 7 | (NA) | 37 |
| Power and communication transmission lines, towers, and related facilities | 77 541 | 65 153 | (NA) | 12 387 | 1 | 1 | (NA) | (W) |
| Sewers, water mains, and related facilities | 101 916 | 96 311 | (NA) | 5 605 | 2 | 1 | (NA) | 8 |
| Sewers, sewer lines, and related facilities | 50 307 | 46 604 | (NA) | 3 702 | 3 | 2 | (NA) | 9 |
| Water mains and related facilities | 51 608 | 49 706 | (NA) | 1 902 | (W) | (W) | (NA) | (W) |
| Heavy industrial facilities | 21 763 | (D) | (NA) | (D) | 3 | (D) | (NA) | (D) |
| Sewage treatment and water treatment plants | 6 891 | 6 891 | (NA) | — | 3 | 3 | (NA) | — |
| Oilfields | 99 427 | 51 473 | (NA) | 47 953 | (W) | (W) | (NA) | (W) |
| Other nonbuilding construction | 52 793 | 33 429 | (NA) | 19 362 | 5 | 5 | (NA) | 4 |
| Construction work, n.s.k. | 289 654 | 248 399 | (NA) | 41 254 | 3 | 3 | (NA) | 3 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establishments | Average number of construction workers | Construction worker hours (thousands) | January to March | | April to June | |
|---------------------|--|-----------------------------|---|---|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| | | | | | Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) |
| A | B | C | D | E | F | G | | |
| | Construction Industries and land subdividers and developers ----- | 1 507 | 10 091 | 17 677 | 8 400 | 3 449 | 10 565 | 4 649 |
| 15, 16, 17 | Construction Industries: | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | |
| 1521 | Single-family houses ----- | 195 | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings ----- | 12 | 154 | 225 | 153 | 51 | 188 | 73 |
| 1531 | Operative builders ----- | *22 | (S) | (S) | (S) | (S) | (S) | (S) |
| 154 | General contractors, nonresidential buildings: | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 43 | 246 | 406 | 65 | 30 | 176 | 61 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 136 | 2 074 | 3 791 | 1 971 | 878 | 2 160 | 945 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | |
| 1611 | Highway and street construction----- | 84 | 1 529 | 3 253 | 1 185 | 531 | 1 620 | 928 |
| 162 | Heavy construction, except highway: | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction ----- | 2 | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines ----- | 50 | 820 | 1 519 | 500 | 203 | 1 033 | 470 |
| 1629 | Heavy construction, n.e.c. ----- | 86 | 934 | 1 432 | 899 | 337 | 997 | 381 |
| 17 | Special trade contractors: | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning----- | 173 | 632 | 1 199 | 505 | 254 | 593 | 276 |
| 1721 | Painting and paper hanging ----- | 66 | 230 | 357 | 125 | 44 | 210 | 77 |
| 1731 | Electrical work----- | 147 | 680 | 1 184 | 644 | 268 | 737 | 320 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 6 | (S) | (S) | (S) | (S) | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work----- | 49 | 257 | 406 | 204 | 70 | 302 | 113 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | *12 | *31 | *55 | (D) | *17 | *42 | (S) |
| 175 | Carpentry and floor work: | | | | | | | |
| 1751 | Carpentry ----- | 49 | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floor work ----- | 30 | (S) | (S) | (S) | (S) | (S) | (S) |
| 1761 | Roofing, siding, and sheet metal work----- | 32 | 176 | 266 | 153 | 46 | 175 | 62 |
| 1771 | Concrete work----- | 53 | 216 | 268 | 102 | 29 | 218 | 71 |
| 1781 | Water well drilling ----- | 6 | 38 | 58 | 34 | 13 | 39 | 15 |
| 179 | Miscellaneous special trade contractors: | | | | | | | |
| 1791 | Structural steel erection ----- | 24 | 160 | 254 | 194 | 73 | 145 | 59 |
| 1793 | Glass and glazing work ----- | 10 | 50 | 82 | 47 | 17 | 47 | 22 |
| 1794 | Excavation work ----- | 96 | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work ----- | 2 | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. ----- | 8 | 34 | 65 | 38 | 16 | 41 | 19 |
| 1799 | Special trade contractors, n.e.c. ----- | 99 | 413 | 767 | 333 | 136 | 431 | 219 |
| 6552 | Land subdividers and developers, n.e.c. ... | *7 | (S) | (S) | (S) | (S) | (S) | (S) |

¹Construction workers during pay periods including 12th of March, May, August, and November.

| July to September | | October to December | | Relative standard error of estimate (percent) for column— | | | | | | | | | | | | 1987 SIC code |
|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------------------|
| Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) | B | C | D | E | F | G | H | I | J | K | | | |
| H | I | J | K | | | | | | | | | | | | | |
| 12 124 | 5 428 | 9 276 | 4 150 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 15, 16, 17 |
| | | | | | | | | | | | | | | | | 15 |
| (S) 140 | (S) 55 | (S) 136 | (S) 45 | (S) 17 | (S) 12 | (S) 17 | (S) 13 | (S) 14 | (S) 10 | (S) 19 | (S) 13 | (S) 19 | (S) 15 | (S) 15 | (S) 15 | 152 1521 1522 |
| (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 1531 |
| 2 473 | 2 293 | 1 212 | 1 083 | 1 272 | 100 883 | 15 3 | 19 5 | 11 3 | 29 4 | 18 3 | 24 3 | 19 4 | 15 8 | 14 4 | 25 7 | 1541 1542 |
| | | | | | | | | | | | | | | | | 16 |
| 1 924 | 1 924 | 1 078 | 1 387 | 715 | 3 | 3 | 1 | 2 | 3 | 5 | 5 | 4 | 6 | 2 | 2 | 1611 |
| (D) 950 | (D) 981 | (D) 449 | (D) 371 | (D) 798 | (D) 397 | (D) 4 | (D) 4 | (D) 1 | (D) 1 | (D) 1 | (D) 5 | (D) 5 | (D) 11 | (D) 11 | (D) 11 | 162 1622 1623 1629 |
| | | | | 858 | 341 | 12 | 8 | 12 | 8 | 12 | 8 | 12 | 8 | 13 | 9 | 17 |
| 801 | 363 | 628 | 305 | 8 | 10 | 9 | 11 | 9 | 11 | 8 | 9 | 10 | 10 | 10 | 10 | 1711 |
| 335 | 114 | 249 | 120 | 12 | 12 | 19 | 5 | 19 | 22 | 14 | 17 | 20 | 23 | 23 | 23 | 1721 |
| 757 | 327 | 580 | 268 | 5 | 6 | 7 | 8 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 1731 |
| | | | | | | | | | | | | | | | | 174 |
| (S) 355 | (S) 44 | (S) 154 | (S) | (S) 167 | (S) 67 | (S) 10 | (S) 10 | (S) 12 | (S) 9 | (S) 11 | (S) 8 | (S) 11 | (S) 14 | (S) 19 | (S) 16 | 1741 1742 1743 |
| (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 175 1751 1752 |
| 235 | 90 | 144 | 67 | 10 | 13 | 11 | 13 | 11 | 11 | 14 | 14 | 9 | 18 | 18 | 18 | 1761 |
| 360 | 103 | 186 | 63 | 19 | 16 | 27 | 26 | 21 | 17 | 19 | 17 | 26 | 23 | 23 | 23 | 1771 |
| 43 | 15 | 38 | 13 | 16 | 19 | 15 | 16 | 19 | 21 | 15 | 17 | 17 | 20 | 20 | 20 | 1781 |
| 184 | 77 | 120 | 43 | 6 | 6 | 5 | 5 | 4 | 3 | 12 | 10 | 8 | 6 | 6 | 6 | 179 1791 |
| 61 | 25 | 43 | 17 | 2 | 1 | 10 | 1 | 1 | 5 | 10 | 5 | 5 | 8 | 8 | 8 | 1793 |
| (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 1794 |
| (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | 1795 |
| 29 | 14 | 30 | 13 | 13 | 13 | 4 | 4 | 6 | 5 | 5 | 5 | 1 | 4 | 4 | 4 | 1796 |
| 483 | 225 | 406 | 186 | 16 | 21 | 19 | 24 | 16 | 22 | 17 | 22 | 17 | 23 | 23 | 23 | 1799 |
| (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | 6552 |

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Average number of employees** per estab- lishment | Payroll per employee (\$1,000) | Construction worker hours per construction worker | Value of construction work per construction worker (\$1,000) | Average per dollar of value of construction work | | | |
|---------------------|--|---|---|---|--|--|--|---|---|
| | | | | | | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Rental cost for machinery, equipment, and buildings |
| | Construction industries and land subdividers and developers | 8.5 | 33.6 | 1 751.8 | 166.6 | .255 | .276 | .196 | .037 |
| 15, 16, 17 | Construction industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings | 15.4 | 31.6 | 1 461.0 | 193.3 | .196 | .267 | .458 | .006 |
| 1531 | Operative builders | *1.3 | *24.6 | (S) | *629.3 | .095 | (S) | *.253 | (S) |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 8.4 | 34.3 | 1 650.4 | 227.5 | .221 | (D) | .298 | .011 |
| 1542 | Nonresidential buildings, n.e.c. | 20.4 | 36.4 | 1 827.9 | 205.8 | .236 | .245 | .287 | .015 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 21.5 | 48.4 | 2 127.5 | 228.3 | .250 | .237 | .173 | .098 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines | 19.4 | 30.6 | 1 852.4 | 169.0 | .214 | .293 | .111 | .027 |
| 1629 | Heavy construction, n.e.c. | 13.3 | 37.4 | 1 533.2 | 117.2 | .391 | .322 | .116 | .036 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 5.0 | 30.6 | 1 897.2 | 166.1 | .254 | .332 | .173 | .020 |
| 1721 | Painting and paper hanging | 4.0 | 25.3 | 1 552.2 | 90.5 | .320 | .203 | .082 | .013 |
| 1731 | Electrical work | 6.2 | 37.5 | 1 741.2 | 149.5 | .338 | .345 | *.029 | .025 |
| 174 | Masonry, stoneowrk, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (D) |
| 1742 | Plastering, drywall, and insulation work | 6.4 | 35.0 | 1 579.8 | 105.9 | .405 | .219 | .037 | .029 |
| 1743 | Terrazzo, tile, marble, and mosaic work | (D) | (D) | *1 774.2 | (D) | (D) | (D) | .023 | (S) |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floor work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (D) |
| 1761 | Roofing, siding, and sheet metal work | 6.7 | 31.6 | 1 511.4 | 153.8 | .251 | (D) | .039 | .009 |
| 1771 | Concrete work | 5.0 | 20.6 | 1 240.7 | 98.3 | .256 | .351 | .077 | .034 |
| 1781 | Water well drilling | 7.7 | 23.9 | 1 526.3 | 115.1 | .252 | .294 | (D) | .016 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 7.7 | 25.5 | 1 587.5 | 94.6 | .311 | (D) | .064 | .049 |
| 1793 | Glass and glazing work | 7.6 | 26.3 | 1 640.0 | 107.5 | .371 | .652 | (D) | .032 |
| 1794 | Excavation work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. | 5.9 | 46.5 | 1 911.8 | 212.4 | .302 | .290 | (D) | .011 |
| 1799 | Special trade contractors, n.e.c. | 5.5 | 26.7 | 1 857.1 | 95.0 | .371 | .203 | .051 | .023 |
| 6552 | Land subdividers and developers, n.e.c. | (S) | (S) | (S) | (S) | (S) | (D) | (D) | (S) |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Not applicable]

CONTENTS

California

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for California. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 204,342 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for \$88.0 billion in total value of business done.

Most of the 204,342 construction establishments were small. Of the total, 145,292 were nonemployers, and over half of the employer establishments had less than 5 employees. The 26,274 construction establishments with 5 employees or more, while representing only 13 percent of all establishments, accounted for more than 76 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$74.2 billion on total dollar value of business done. Of this amount, \$71.1 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$21.1 billion, leaving net value of construction work of \$50.1 billion. In addition, these establishments paid out \$21.2 billion for the cost of materials, fuels, power, rental of equipment and buildings,

and the cost of selected purchased services. Value added for 1987 was \$32.9 billion. (See Introduction and appendices for explanation of terms.)

There were 59,050 establishments with total employment averaging 598,320 during the year. Total payroll for 1987 was \$14.9 billion. Total hours worked by construction workers during the year were 739 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 145,292 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$13.3 billion. Most of these establishments, about 72 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. Selected Costs Per Dollar Value of Business Done

(Percent)

1987 
1982 

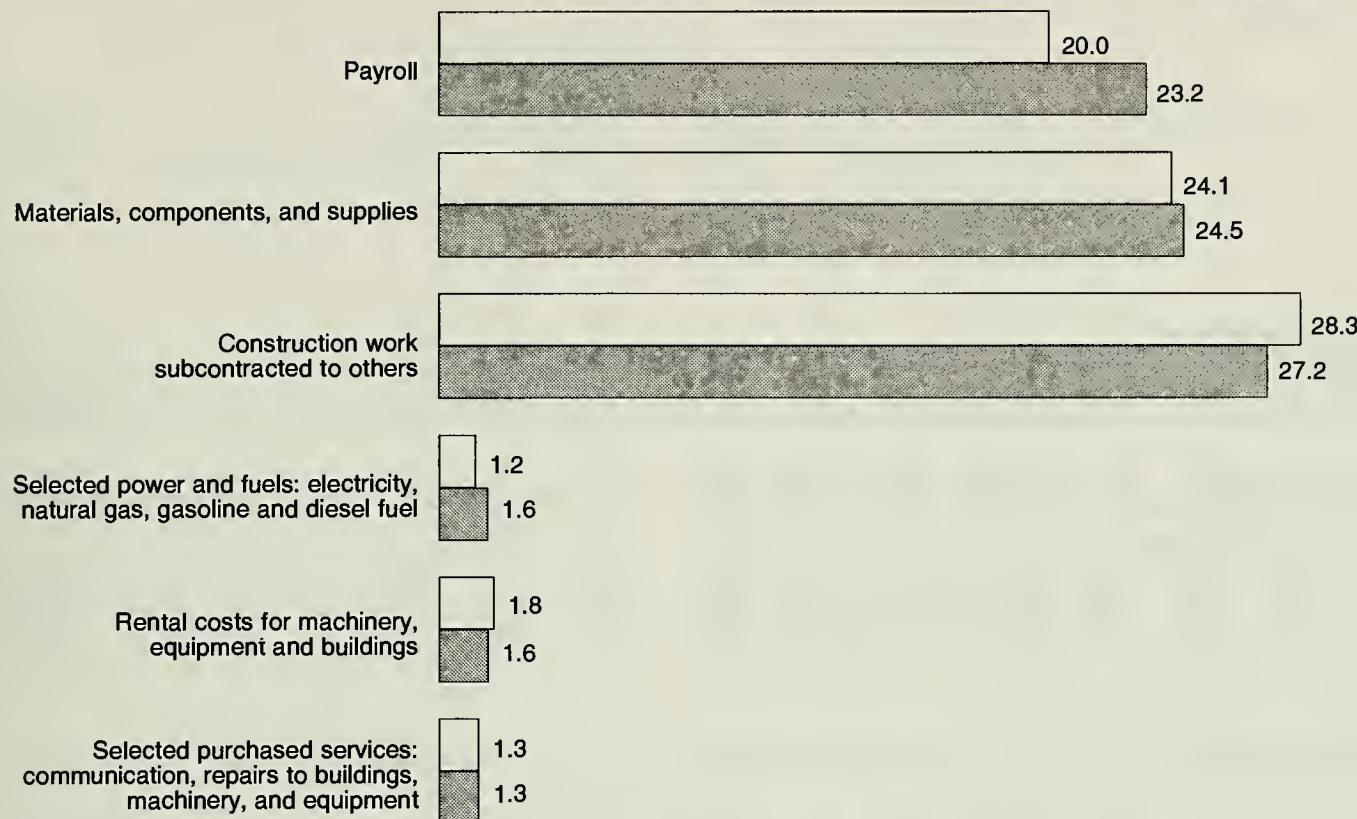


Figure 2. Value of Construction Work by Type of Construction

(Percent)

1987 
1982 

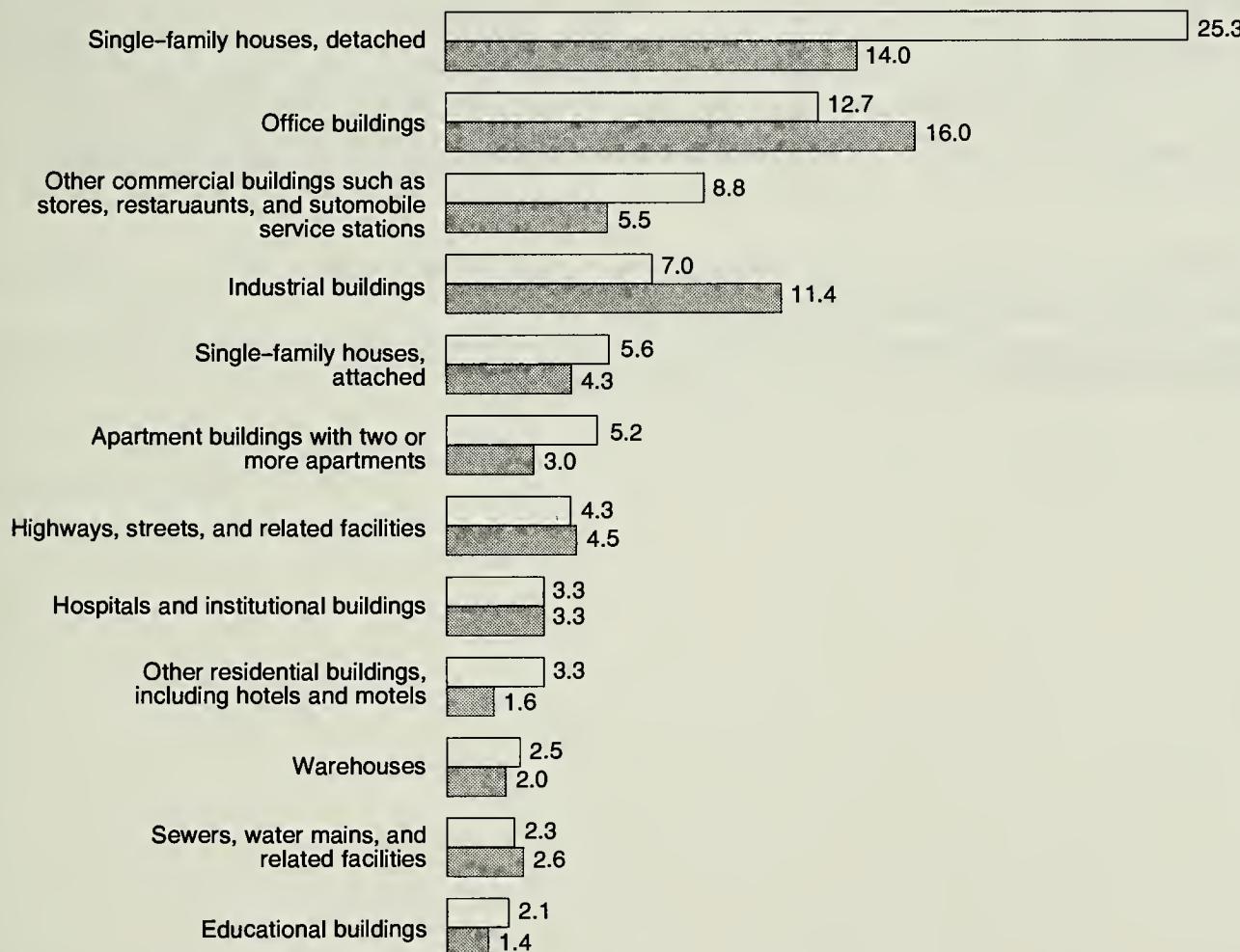


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | All establishments | | | | Establishments without payroll | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|--------------------|--|----------------------|--|--------------------------------|--|--|-----------------------------|--|----------------------|---|-----|---|--|--|
| | | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done | Number | Propri- tors and working partners | Dollar value of business done | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done ¹ | J | K | | |
| | | A | B | C | D | E | F | G | H | I | J | K | J | K | | |
| | 1987 | | | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers ----- | 204 342 | 163 099 | 598 320 | 87 984 753 | 145 292 | 145 359 | 13 286 669 | 59 050 | 17 740 | 598 320 | 74 698 084 | (W) | (W) | | |
| 15, 16, 17 | Construction industries ----- | 198 937 | 157 759 | 591 609 | 81 597 547 | 141 130 | 140 266 | 8 550 461 | 57 807 | 17 493 | 591 609 | 73 047 086 | (W) | (W) | | |
| 15 | Building construction—General contractors and operative builders ----- | 52 640 | 37 960 | 145 185 | 37 689 004 | 34 380 | 33 076 | 3 700 257 | 18 260 | 4 884 | 145 185 | 33 988 747 | 1 | 1 | | |
| 16 | Heavy construction other than building construction—contractors----- | 4 921 | 2 480 | 74 083 | 9 609 148 | 1 820 | 1 820 | 261 310 | 3 101 | 660 | 74 083 | 9 347 838 | 1 | 1 | | |
| 17 | Special trade contractors ----- | 141 376 | 117 319 | 372 341 | 34 299 396 | 104 930 | 105 370 | 4 588 895 | 36 446 | 11 949 | 372 341 | 29 710 501 | (W) | (W) | | |
| 1711 | Plumbing, heating, and air-conditioning -- | 15 263 | 11 012 | 64 720 | 6 571 059 | 8 931 | 8 961 | 512 219 | 6 332 | 2 051 | 64 720 | 6 058 840 | 1 | 1 | | |
| 1731 | Electrical work----- | 14 903 | 10 961 | 57 797 | 5 362 612 | 9 150 | 9 139 | 426 537 | 5 753 | 1 822 | 57 797 | 4 936 075 | 1 | 1 | | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 5 394 | 5 332 | 6 697 | 6 387 193 | 4 162 | 5 093 | 4 736 207 | 1 232 | 239 | 6 697 | 1 650 986 | 6 | 4 | | |
| | 1982 | | | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers ----- | 136 972 | 111 379 | 443 349 | 48 739 078 | 90 279 | 92 145 | 5 462 742 | 46 693 | 19 234 | 443 349 | 43 276 336 | (W) | (W) | | |
| 15, 16, 17 | Construction industries ----- | 133 527 | 108 010 | 434 817 | 46 771 502 | 87 966 | 88 958 | 4 117 722 | 45 561 | 19 052 | 434 817 | 42 653 780 | (W) | (W) | | |
| 15 | Building construction—General contractors and operative builders ----- | 35 609 | 26 998 | 97 950 | 17 070 431 | 21 680 | 21 708 | 1 784 029 | 13 929 | 5 290 | 97 950 | 15 286 402 | 1 | (W) | | |
| 16 | Heavy construction other than building construction—contractors----- | 5 507 | 3 768 | 90 037 | 11 419 453 | 3 008 | 3 060 | 243 046 | 2 499 | 708 | 90 037 | 11 176 407 | (W) | (W) | | |
| 17 | Special trade contractors ----- | 92 411 | 77 244 | 246 830 | 18 281 618 | 63 278 | 64 190 | 2 090 647 | 29 133 | 13 054 | 246 830 | 16 190 971 | 1 | (W) | | |
| 1711 | Plumbing, heating, and air-conditioning -- | 10 888 | 7 705 | 50 766 | 3 940 871 | 5 615 | 5 669 | 252 516 | 5 273 | 2 036 | 50 766 | 3 688 355 | 1 | (W) | | |
| 1731 | Electrical work----- | 9 856 | 7 214 | 45 261 | 3 617 743 | 5 495 | 5 576 | 202 791 | 4 361 | 1 638 | 45 261 | 3 414 952 | 1 | (W) | | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 3 442 | 3 360 | 8 533 | 1 968 370 | 2 313 | 3 187 | 1 345 020 | 1 129 | 173 | 8 533 | 623 350 | 3 | 3 | | |

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. **Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Receipts size | All establishments | | | | Establishments without payroll ¹ | | | | Establishments with payroll | | | | Relative standard error of estimate (percent) for column— | |
|----------------------------------|--------------------|----------------------------------|-----------------|-------------------------------|---|----------------------------------|-------------------------------|--------|----------------------------------|-----------------|--|------|---|------|
| | Number | Proprietors and working partners | All employees** | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of business done ² | | | |
| | A | B | C | D | E | F | G | H | I | J | K | J | K | |
| 1987 | | | | | | | | | | | | | | |
| The State ----- | 204 342 | 163 099 | 598 320 | 87 984 753 | 145 292 | 145 359 | 13 286 669 | 59 050 | 17 740 | 598 320 | 74 698 084 | (W) | (W) | |
| \$10,000,000 or more ----- | 1 169 | 251 | 146 495 | 36 048 915 | 106 | 162 | 2 216 484 | 1 063 | 89 | 146 495 | 33 832 431 | (W) | (W) | |
| \$5,000,000 to \$9,999,999 ----- | 1 498 | 375 | 67 620 | 10 219 530 | 169 | 268 | 1 192 328 | 1 329 | 107 | 67 620 | 9 027 202 | (W) | (W) | 2 |
| \$2,500,000 to \$4,999,999 ----- | 2 820 | 676 | 74 328 | 9 789 766 | 304 | 453 | 1 033 017 | 2 516 | 223 | 74 328 | 8 756 749 | 1 | 2 | |
| \$1,000,000 to \$2,499,999 ----- | 7 392 | 2 000 | 109 208 | 11 467 415 | 856 | 1 012 | 1 303 487 | 6 536 | 988 | 109 208 | 10 163 928 | 1 | 1 | |
| \$500,000 to \$999,999 ----- | 10 021 | 4 250 | 73 791 | 7 047 648 | 1 909 | 1 975 | 1 322 584 | 8 112 | 2 275 | 73 791 | 5 725 064 | 2 | 2 | |
| \$250,000 to \$499,999 ----- | (S) | (S) | (S) | (S) | 4 208 | 4 156 | 1 458 731 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$100,000 to \$249,999 ----- | (S) | (S) | (S) | (S) | 12 607 | 12 627 | 1 937 925 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$50,000 to \$99,999 ----- | (S) | (S) | (S) | (S) | 17 438 | 17 456 | 1 228 071 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$25,000 to \$49,999 ----- | (S) | (S) | (S) | (S) | 23 834 | 23 766 | 851 513 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| Less than \$25,000 ----- | (S) | (S) | (S) | (S) | 83 861 | 83 484 | 742 530 | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 31 881 | 31 776 | 528 744 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 18 944 | 18 825 | 138 339 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,000 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 13 785 | 13 727 | 50 466 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,000 ----- | (NA) | (NA) | (NA) | (NA) | 19 251 | 19 156 | 24 981 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | | | | | | | |
| The State ----- | 136 972 | 111 379 | 443 349 | 48 739 078 | 90 279 | 92 145 | 5 462 742 | 46 693 | 19 234 | 443 349 | 43 276 336 | (W) | (W) | |
| \$10,000,000 or more ----- | 553 | 88 | 133 996 | 21 564 832 | 20 | 30 | 394 105 | 533 | 58 | 133 996 | 21 170 727 | (W) | (W) | |
| \$5,000,000 to \$9,999,999 ----- | 657 | 112 | 37 386 | 4 550 537 | 49 | 77 | 338 686 | 608 | 35 | 37 386 | 4 211 851 | (W) | (W) | |
| \$2,500,000 to \$4,999,999 ----- | 1 405 | 278 | 44 672 | 4 914 166 | 132 | 214 | 446 333 | 1 273 | 64 | 44 672 | 4 467 833 | (W) | (W) | |
| \$1,000,000 to \$2,499,999 ----- | 3 705 | 1 053 | 62 447 | 5 748 197 | 437 | 663 | 677 410 | 3 268 | 390 | 62 447 | 5 070 787 | 1 | 1 | |
| \$500,000 to \$999,999 ----- | 5 480 | 1 867 | 51 091 | 3 823 877 | 732 | 904 | 506 034 | 4 748 | 963 | 51 091 | 3 317 843 | 2 | 2 | |
| \$250,000 to \$499,999 ----- | 8 564 | 4 358 | 43 450 | 2 999 302 | 1 654 | 1 802 | 565 265 | 6 910 | 2 556 | 43 450 | 2 434 037 | 2 | 2 | |
| \$100,000 to \$249,999 ----- | 17 314 | 12 228 | 40 635 | 2 741 497 | 5 855 | 6 232 | 882 626 | 11 459 | 5 996 | 40 635 | 1 858 871 | 2 | 2 | |
| \$50,000 to \$99,999 ----- | 16 572 | 13 797 | 15 098 | 1 176 050 | 9 558 | 10 025 | 661 727 | 7 014 | 3 772 | 15 098 | 514 323 | 3 | 2 | |
| \$25,000 to \$49,999 ----- | 18 577 | 16 576 | 6 821 | 658 122 | 14 438 | 14 700 | 504 609 | 4 139 | 1 876 | 6 821 | 153 513 | 4 | 3 | |
| Less than \$25,000 ----- | 64 142 | 61 020 | 7 750 | 562 497 | 57 404 | 57 498 | 485 947 | 6 738 | 3 522 | 7 750 | 76 550 | 2 | 3 | |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 21 834 | 21 939 | 346 567 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 13 684 | 13 693 | 93 407 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,500 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 12 676 | 12 716 | 36 763 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,500 ----- | (NA) | (NA) | (NA) | (NA) | 9 210 | 9 150 | 9 210 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establish- ments | 1987 | | | | | | |
|---------------------|--|----------------------------------|-------------|-------------------------|------------------|-------------------------|---|----------------------------------|---------------------------------------|
| | | | Employees** | | Payroll | | Construction worker hours (thousands) | Value of construction work | Net value of construction work† |
| | | | All | Construction workers | All employees | Construction workers | | | |
| | | A | B | C | D | E | F | G | H |
| 15, 16, 17 | Construction industries and land subdividers and developers | 59 050 | 598 320 | 466 975 | 14 905 469 | 10 567 484 | 738 871 | 71 177 525 | 50 071 124 |
| 15 | Construction industries: | | | | | | | | |
| 152 | Building construction—General contractors and operative builders: | | | | | | | | |
| 1521 | General contractors, residential buildings: | | | | | | | | |
| 1522 | Single-family houses | 10 627 | 50 427 | 39 562 | 886 556 | 620 708 | 53 876 | 5 467 742 | 3 539 248 |
| | Other residential buildings | 1 134 | 10 971 | 8 515 | 251 762 | 167 398 | 12 436 | 2 011 150 | 869 308 |
| 1531 | Operative builders | 2 051 | 23 367 | 10 499 | 715 115 | 225 458 | 17 066 | 9 709 500 | 4 642 187 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 797 | 11 169 | 8 013 | 343 702 | 218 446 | 13 263 | 2 643 336 | 1 236 091 |
| 1542 | Nonresidential buildings, n.e.c. | 3 651 | 49 251 | 36 212 | 1 450 497 | 916 551 | 60 163 | 11 875 924 | 4 324 116 |
| 16 | Heavy construction other than building construction— contractors: | | | | | | | | |
| 1611 | Highway and street construction | 839 | 18 748 | 15 237 | 623 555 | 471 556 | 25 420 | 2 975 885 | 2 418 325 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 53 | 1 940 | 1 642 | 55 819 | 44 880 | 2 930 | 301 677 | 213 007 |
| 1623 | Water, sewer, and utility lines | 1 063 | 19 119 | 16 023 | 519 083 | 397 383 | 27 199 | 2 101 952 | 1 877 640 |
| 1629 | Heavy construction, n.e.c. | 1 146 | 34 276 | 24 604 | 1 043 796 | 718 349 | 42 878 | 3 727 902 | 3 222 676 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 6 332 | 64 720 | 49 300 | 1 777 997 | 1 291 980 | 84 616 | 5 975 639 | 5 482 215 |
| 1721 | Painting and paper hanging | 3 660 | 21 370 | 18 422 | 417 008 | 339 754 | 27 079 | 1 144 368 | 1 086 309 |
| 1731 | Electrical work | 5 753 | 57 797 | 44 987 | 1 597 436 | 1 186 941 | 76 374 | 4 866 723 | 4 596 165 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 1 536 | 12 609 | 11 035 | 265 220 | 220 311 | 16 232 | 870 706 | 813 113 |
| 1742 | Plastering, drywall, and insulation work | 2 991 | 48 672 | 42 757 | 1 072 403 | 883 136 | 62 739 | 3 127 372 | 2 949 394 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 979 | 7 465 | 6 124 | 179 077 | 138 204 | 9 339 | 529 657 | 509 884 |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 2 836 | 33 297 | 29 230 | 661 061 | 532 242 | 42 181 | 2 282 195 | 2 109 600 |
| 1752 | Floor laying and other floor work | 1 066 | 6 615 | 5 096 | 157 708 | 110 432 | 8 043 | 623 028 | 576 974 |
| 1761 | Roofing, siding, and sheet metal work | 2 625 | 27 289 | 22 173 | 524 590 | 376 902 | 33 192 | 1 907 960 | 1 850 404 |
| 1771 | Concrete work | 2 846 | 33 363 | 28 823 | 763 780 | 608 205 | 44 275 | 2 781 887 | 2 503 883 |
| 1781 | Water well drilling | 206 | 1 598 | 1 242 | 39 168 | 27 485 | 2 284 | 147 661 | 144 607 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 422 | 8 769 | 7 163 | 259 225 | 193 128 | 11 377 | 833 529 | 766 018 |
| 1793 | Glass and glazing work | 799 | 6 474 | 4 568 | 154 831 | 105 447 | 7 401 | 572 626 | 562 199 |
| 1794 | Excavation work | 890 | 9 607 | 8 137 | 264 343 | 201 766 | 14 147 | 1 204 038 | 1 074 612 |
| 1795 | Wrecking and demolition work | 135 | 2 572 | 2 139 | 37 701 | 29 516 | 2 306 | 132 149 | 123 698 |
| 1796 | Installing building equipment, n.e.c. | 349 | 5 441 | 4 366 | 189 827 | 153 655 | 7 955 | 523 790 | 499 863 |
| 1799 | Special trade contractors, n.e.c. | 3 021 | 24 683 | 19 694 | 492 221 | 363 363 | 32 135 | 1 733 578 | 1 558 899 |
| 6552 | Land subdividers and developers, n.e.c. | 1 232 | 6 697 | 1 383 | 161 978 | 24 277 | 1 950 | 1 105 341 | 520 680 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.

1982

| Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees** | Total construction receipts† | Value added†† | Relative standard error of estimate (percent) for column— | | | 1987 SIC code |
|--|---|---|---|--|--|---|---|---|---|-----|----|---|
| | | | | | | | | | B | H | M | |
| I | J | K | L | M | N | O | P | Q | (W) | (W) | 1 | |
| 32 876 569 | 18 895 502 | 21 106 400 | 1 327 711 | 898 871 | 6 367 653 | 443 349 | 40 579 275 | 19 628 452 | (W) | (W) | 1 | 15, 16, 17 |
| | | | | | | | | | | | | 15 |
| 2 241 792 560 032 | 1 450 821 336 924 | 1 928 494 1 141 841 | 53 522 14 495 | 57 989 7 270 | 424 633 69 525 | 34 439 4 233 | 2 389 711 507 644 | 997 916 131 883 | 2 | 3 | 5 | 152 1521 1522 |
| 3 345 739 | 1 729 872 | 5 067 312 | 42 495 | 89 063 | 734 898 | 14 504 | 2 586 798 | 1 077 662 | 2 | 2 | 9 | 1531 |
| 761 244 2 983 346 | 534 146 1 571 067 | 1 407 245 7 551 808 | 31 283 117 707 | 19 404 57 574 | 120 917 420 763 | 11 234 33 540 | 2 304 475 6 760 452 | 1 863 859 1 324 401 | 3 | 2 | 4 | 154 1541 1542 |
| | | | | | | | | | | | | 16 |
| 1 591 856 | 954 841 | 557 559 | 194 553 | 107 835 | 751 026 | 12 958 | 1 566 812 | 780 500 | 1 | 1 | 5 | 1611 |
| 153 566 1 238 137 2 142 609 | 62 691 672 444 1 155 923 | 88 670 224 312 505 226 | 6 563 100 414 148 391 | 3 833 54 754 98 293 | 28 698 371 977 591 395 | 1 021 15 421 60 637 | 119 554 1 332 858 6 847 226 | 39 126 791 178 3 999 987 | 2 | 3 | 14 | 162 1622 1623 |
| | | | | | | | | | 1 | 1 | 3 | 1629 |
| | | | | | | | | | | | | 17 |
| 3 365 458 | 2 199 958 | 493 424 | 97 903 | 71 600 | 514 792 | 50 766 | 3 591 253 | 2 057 293 | 1 | 1 | 4 | 1711 |
| 836 719 | 255 398 | 58 059 | 20 384 | 20 849 | 118 117 | 12 771 | 564 638 | 414 296 | 2 | 2 | 7 | 1721 |
| 2 864 117 | 1 801 400 | 270 557 | 69 608 | 56 388 | 373 395 | 45 261 | 3 347 408 | 1 985 527 | 1 | 1 | 4 | 1731 |
| 501 296 1 969 177 319 898 | 315 550 1 015 803 198 253 | 57 592 177 978 19 973 | 10 586 43 377 6 346 | 9 182 38 558 8 977 | 71 818 192 958 47 540 | 7 360 25 112 3 601 | 332 914 1 397 629 192 111 | 196 273 859 077 112 713 | 3 | 2 | 9 | 174 1741 1742 |
| 1 236 429 314 083 | 901 964 273 927 | 172 594 46 053 | 31 753 9 386 | 20 523 4 943 | 103 905 28 713 | 13 608 5 044 | 687 034 334 512 | 372 182 167 068 | 2 | 2 | 6 | 175 1751 1752 |
| 1 109 870 | 767 118 | 57 555 | 32 437 | 30 244 | 187 110 | 18 461 | 1 031 856 | 580 943 | 2 | 1 | 6 | 1761 |
| 1 518 217 | 1 003 015 | 278 004 | 78 963 | 38 652 | 305 764 | 19 144 | 1 313 708 | 738 846 | 2 | 1 | 4 | 1771 |
| 90 038 | 60 141 | 3 054 | 2 514 | 3 437 | 43 697 | 1 596 | 97 149 | 54 869 | 4 | 4 | 9 | 1781 |
| 508 363 307 226 852 454 113 285 376 610 1 068 146 | 280 097 289 451 256 657 15 232 135 847 540 026 | 67 511 10 426 129 425 8 450 23 927 174 679 | 17 966 12 737 125 467 7 632 7 973 34 617 | 7 774 4 149 36 612 4 259 5 586 31 618 | 72 817 34 443 229 859 29 627 43 854 214 445 | 6 960 4 407 9 121 976 5 141 17 501 | 522 585 373 732 746 039 52 295 367 644 847 968 | 323 143 202 025 498 603 43 831 268 450 528 785 | 2 | 1 | 5 | 179 1791 1793 1794 1795 1796 |
| 506 841 | 116 922 | 584 660 | 8 628 | 9 492 | 240 951 | 8 533 | 364 053 | 218 462 | 6 | 7 | 11 | 6552 |

Table 4. **Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | 1977 | 1972 | Relative standard error of estimate (percent) | | | |
|---|------------|------------|------------|------------|---|------|------|------|
| | | | | | 1987 | 1982 | 1977 | 1972 |
| Number of establishments in business during year | 59 050 | 46 693 | 44 691 | 35 052 | (W) | 1 | 1 | 2 |
| Proprietors and working partners | 17 740 | 19 234 | 29 075 | 22 944 | 2 | 2 | 2 | 2 |
| All employees** | 598 320 | 443 349 | 424 397 | 361 710 | (W) | (W) | (W) | 1 |
| Construction workers: | | | | | | | | |
| March | 441 938 | 328 571 | 307 154 | 272 863 | (W) | (W) | (W) | 1 |
| May | 465 210 | 333 996 | 332 671 | 283 164 | (W) | 1 | 1 | 1 |
| August | 491 068 | 336 704 | 348 708 | 304 896 | (W) | 1 | 1 | 1 |
| November | 469 683 | 328 727 | 341 022 | 283 631 | (W) | 1 | 1 | 1 |
| Average | 466 975 | 336 885 | 332 667 | 289 769 | (W) | (W) | (W) | 1 |
| Other employees: | | | | | | | | |
| March | 129 435 | 105 325 | 88 635 | 70 289 | 1 | (W) | 1 | 1 |
| May | 130 850 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| August | 132 931 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| November | 132 189 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Average | 131 351 | (NA) | (NA) | (NA) | (W) | (NA) | (NA) | (NA) |
| Construction worker hours (thousands): | | | | | | | | |
| January to March | 169 096 | 119 274 | (NA) | (NA) | (W) | (W) | (NA) | (NA) |
| April to June | 185 610 | 122 174 | (NA) | (NA) | (W) | (W) | (NA) | (NA) |
| July to September | 197 326 | 130 607 | (NA) | (NA) | (W) | (W) | (NA) | (NA) |
| October to December | 186 838 | 119 578 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| Total hours worked | 738 871 | 491 634 | (NA) | (NA) | (W) | (W) | (NA) | (NA) |
| Payroll, all employees | 14 905 469 | 10 038 911 | 6 674 014 | 4 147 447 | (W) | (W) | (W) | 1 |
| Payroll, construction workers | 10 567 484 | 7 237 465 | 4 878 204 | 3 218 491 | (W) | (W) | (W) | 1 |
| Payroll, other employees | 4 337 985 | 2 801 446 | 1 795 810 | 928 956 | (W) | (W) | 1 | 1 |
| First quarter payroll, all employees | 3 361 379 | 2 336 909 | 1 473 035 | (NA) | (W) | (W) | (W) | (NA) |
| Employer costs for fringe benefits, all employees | 3 742 380 | 1 928 342 | 1 691 635 | (NA) | (W) | (W) | (W) | (NA) |
| Legally required expenditures | 2 505 330 | 1 364 446 | 775 637 | (NA) | (W) | (W) | (W) | (NA) |
| Voluntary expenditures | 1 237 049 | 563 895 | 915 998 | (NA) | (W) | (W) | (W) | (NA) |
| Dollar value of business done | 74 698 084 | 43 276 336 | 30 514 878 | 17 716 835 | (W) | (W) | (W) | 1 |
| Value of construction work ¹ | 71 177 525 | 40 579 275 | 28 640 520 | 16 773 736 | (W) | (W) | (W) | 1 |
| Value of construction work subcontracted in from others | 19 718 875 | 9 656 495 | 7 878 163 | 3 890 134 | 1 | 1 | (W) | (W) |
| Land receipts ² | 1 819 611 | 618 562 | (NA) | (NA) | 2 | 1 | (NA) | (NA) |
| Other business receipts | 1 700 952 | 2 078 498 | 1 874 359 | 943 099 | 1 | (W) | 1 | 2 |
| Net value of construction† | 50 071 124 | 28 828 153 | 20 372 929 | 11 472 227 | (W) | (W) | (W) | 1 |
| Value added†† | 32 876 569 | 19 628 452 | 12 825 518 | 7 247 500 | (W) | (W) | (W) | 1 |
| Selected costs | 40 001 903 | 23 029 322 | 16 894 229 | 10 036 228 | 1 | (W) | (W) | 1 |
| Materials, components, and supplies ³ | 17 979 694 | 10 603 707 | 8 168 104 | 4 734 719 | (W) | (W) | (W) | 1 |
| Construction work subcontracted to others | 21 106 400 | 11 751 122 | 8 267 591 | 5 301 509 | 1 | (W) | 1 | 1 |
| Selected power, fuels, and lubricants | 915 807 | 674 492 | 458 535 | (NA) | 1 | (W) | 1 | (NA) |
| Electricity | 134 202 | 92 721 | 55 969 | (NA) | 1 | 1 | 1 | (NA) |
| Natural gas | 29 090 | 26 171 | 30 697 | (NA) | 2 | 1 | 2 | (NA) |
| Gasoline and diesel fuel | 692 365 | 507 100 | 307 260 | (NA) | 1 | 1 | 1 | (NA) |
| On highway use | 523 564 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Off highway use | 168 800 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Other, including lubricating oils and greases | 60 149 | 48 500 | 64 636 | (NA) | 1 | 1 | 1 | (NA) |
| Rental cost for machinery, equipment, and buildings | 1 327 711 | 684 686 | 443 823 | (NA) | 1 | 1 | 1 | (NA) |
| For machinery and equipment | 953 194 | 483 490 | 359 914 | 269 678 | 1 | 1 | 1 | 2 |
| For buildings | 374 516 | 201 196 | 83 909 | (NA) | 1 | 1 | 1 | (NA) |
| Selected purchased services | 945 870 | 558 197 | 417 366 | (NA) | 1 | 1 | 2 | (NA) |
| Communication services | 308 243 | 190 204 | 135 701 | (NA) | 1 | 1 | 6 | (NA) |
| Repairs to buildings and other structures | 56 811 | 33 191 | 26 350 | (NA) | 3 | 2 | 3 | (NA) |
| Repairs to machinery and equipment | 580 815 | 334 801 | 255 315 | (NA) | 1 | 1 | 1 | (NA) |
| Ownership of construction projects: | | | | | | | | |
| Value of construction work | 71 177 525 | 40 579 275 | 28 640 520 | 16 773 736 | (W) | (W) | (W) | 1 |
| Government owned | 10 451 942 | 7 095 289 | 4 530 809 | 3 756 469 | 1 | 1 | (W) | 1 |
| Federal | 2 950 407 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| State and local | 7 501 534 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Privately owned | 60 725 583 | 33 483 986 | 24 109 710 | 13 017 267 | 1 | (W) | (W) | 1 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

³For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) | |
|--|-----------|-----------|---|------|
| | | | 1987 | 1982 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT | | | | |
| Beginning-of-year gross book value of depreciable assets | 5 857 281 | 5 648 558 | 1 | 1 |
| Capital expenditures, other than land | 898 871 | 527 829 | 1 | 1 |
| New | 713 766 | 399 559 | 2 | 1 |
| Used | 185 104 | 128 270 | 3 | 2 |
| Retirements and disposition of depreciable assets | 388 499 | 330 188 | 3 | 2 |
| End-of-year gross book value of depreciable assets | 6 367 653 | 5 846 199 | 1 | 1 |
| Depreciation charges during year | 765 057 | 690 898 | 1 | 1 |
| Buildings and Other Structures, Additions, and Related Facilities | | | | |
| Beginning-of-year gross book value of depreciable assets | 1 597 044 | 1 332 074 | 3 | 1 |
| Capital expenditures, other than land | 173 043 | 141 573 | 5 | 1 |
| New buildings and other structures | 131 388 | 120 744 | 6 | 1 |
| Used buildings and other structures | 41 655 | 20 828 | 9 | 3 |
| Retirements and disposition of depreciable assets | 106 408 | 88 179 | 8 | 5 |
| End-of-year gross book value of depreciable assets | 1 663 680 | 1 385 468 | 3 | 1 |
| Depreciation charges during year | 132 242 | 120 464 | 3 | 1 |
| Machinery and Equipment | | | | |
| Beginning-of-year gross book value of depreciable assets | 4 260 236 | 4 316 483 | 1 | 1 |
| Capital expenditures, other than land | 725 827 | 386 255 | 1 | 1 |
| New machinery and equipment, including automobiles and trucks | 582 378 | 278 814 | 1 | 1 |
| New automobiles and trucks, intended primarily for highway use | 274 150 | 124 737 | 2 | 1 |
| Used machinery and equipment, including automobiles and trucks | 143 449 | 107 441 | 2 | 2 |
| Retirements and disposition of depreciable assets | 282 091 | 242 008 | 3 | 1 |
| End-of-year gross book value of depreciable assets | 4 703 972 | 4 460 730 | 1 | 1 |
| Depreciation charges during year | 632 815 | 570 434 | 1 | 1 |

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
|-------------------------------------|-----------------------------|---|
| All establishments: | | |
| Number | 59 050 | (W) |
| Value of construction work | 71 177 525 | (W) |
| Establishments with inventories: | | |
| Number | 21 583 | 1 |
| Value of construction work | 35 141 192 | 1 |
| Inventories: | | |
| End of 1987, materials and supplies | 768 092 | 2 |
| End of 1986, materials and supplies | 714 014 | 2 |
| Establishments with no inventories: | | |
| Number | 27 351 | 1 |
| Value of construction work | 23 843 952 | 1 |
| Establishments not reporting: | | |
| Number | 10 116 | 2 |
| Value of construction work | 12 192 381 | 1 |

¹Inventories at cost or market prior to any adjustment to correct LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of— | | | | | | | | |
|---|------------|------------------------------------|------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-------------------------|
| | | 1 to 4 employees | 5 to 9 employees | 10 to 19 employees | 20 to 49 employees | 50 to 99 employees | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | 1,000 employees or more |
| 1987 | | | | | | | | | | |
| Number of establishments | 59 050 | (S) | 12 493 | 7 595 | 4 375 | 1 177 | 504 | 99 | 26 | 5 |
| All employees** | 598 320 | (S) | 80 525 | 100 779 | 130 026 | 79 704 | 74 882 | 33 458 | 16 260 | 16 706 |
| Payroll, all employees | 14 905 469 | (S) | 1 568 802 | 2 269 487 | 3 439 775 | 2 356 092 | 2 285 572 | 944 026 | 484 847 | 512 093 |
| Construction worker hours (thousands) | 738 871 | (S) | 88 482 | 121 200 | 164 175 | 106 788 | 101 624 | 44 896 | 20 318 | 18 224 |
| Dollar value business done | 74 698 084 | (S) | 7 494 174 | 10 602 994 | 15 312 600 | 11 762 961 | 13 020 813 | 4 920 587 | 2 498 802 | 1 525 166 |
| Value of construction work ¹ | 71 177 525 | (S) | 7 169 023 | 10 149 370 | 14 666 745 | 11 100 443 | 12 249 285 | 4 662 800 | 3 978 589 | (D) |
| Net value of construction work ¹ | 50 071 124 | (S) | 5 595 771 | 7 448 815 | 10 914 878 | 7 687 015 | 7 537 200 | 2 919 359 | 1 484 296 | 1 275 959 |
| Value added†† | 32 876 569 | (S) | 3 626 878 | 4 932 572 | 7 220 470 | 5 089 728 | 5 140 907 | 2 949 675 | (D) | 679 979 |
| Cost of materials, components, supplies, and fuels | 18 895 502 | (S) | 2 110 989 | 2 715 753 | 4 032 147 | 2 844 173 | 2 865 213 | 1 047 016 | 1 195 355 | (D) |
| Cost of construction work subcontracted to others | 21 106 400 | (S) | 1 573 252 | 2 700 555 | 3 751 867 | 3 413 427 | 4 712 085 | 1 743 441 | 1 218 334 | (D) |
| Rental cost for machinery, equipment, and buildings | 1 327 711 | (S) | 132 686 | 177 850 | 318 286 | 217 756 | 251 996 | 86 977 | 27 635 | 15 394 |
| Capital expenditures, other than land | 898 871 | (S) | 118 178 | 117 231 | 190 105 | 124 685 | 130 939 | 83 783 | 23 765 | (D) |
| End-of-year gross book value of depreciable assets | 6 367 653 | (S) | 870 268 | 958 739 | 1 318 455 | 888 196 | 880 293 | 430 451 | 206 755 | (D) |
| 1982 | | | | | | | | | | |
| All employees** | 443 349 | 57 394 | 54 797 | 67 918 | 81 738 | 46 350 | 40 490 | 20 722 | 15 924 | 58 015 |
| Value of construction work ¹ | 40 579 275 | 3 493 804 | 3 557 740 | 5 201 916 | 7 695 809 | 5 254 242 | 4 656 914 | 2 857 173 | 1 790 679 | 6 070 998 |
| Value added†† | 19 628 452 | 1 628 868 | 1 767 136 | 2 559 217 | 3 462 776 | 2 538 710 | 1 905 878 | 1 357 466 | 834 359 | 3 574 040 |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | |
| All employees** | (W) | (S) | 2 | 1 | 1 | 1 | (W) | (W) | (W) | (W) |
| Net value of construction work ¹ | (W) | (S) | 2 | 1 | 1 | 1 | (W) | (W) | (W) | (W) |
| Capital expenditures, other than land | 1 | (S) | 9 | 4 | 2 | 1 | 1 | 1 | 1 | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done— | | | | | | | | | |
|---|------------|--|----------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|----------------------------|----------------------|
| | | Less than \$25,000 | \$25,000 to \$49,999 | \$50,000 to \$99,999 | \$100,000 to \$249,999 | \$250,000 to \$499,999 | \$500,000 to \$999,999 | \$1,000,000 to \$2,499,999 | \$2,500,000 to \$4,999,999 | \$5,000,000 to \$9,999,999 | \$10,000,000 or more |
| 1987 | | | | | | | | | | | |
| Number of establishments | 59 050 | (S) | (S) | (S) | (S) | (S) | 8 112 | 6 536 | 2 516 | 1 329 | 1 063 |
| All employees** | 598 320 | (S) | (S) | (S) | (S) | (S) | 73 791 | 109 208 | 74 328 | 67 620 | 146 495 |
| Payroll, all employees | 14 905 469 | (S) | (S) | (S) | (S) | (S) | 1 479 673 | 2 544 481 | 2 030 403 | 2 035 731 | 4 998 114 |
| Construction worker hours (thousands) | 738 871 | (S) | (S) | (S) | (S) | (S) | 88 189 | 133 584 | 94 169 | 91 277 | 191 114 |
| Dollar value of business done | 74 698 084 | (S) | (S) | (S) | (S) | (S) | 5 725 064 | 10 163 928 | 8 756 749 | 9 027 202 | 33 832 431 |
| Value of construction work ¹ | 71 177 525 | (S) | (S) | (S) | (S) | (S) | 5 561 513 | 9 760 647 | 8 417 590 | 8 710 312 | 31 712 931 |
| Net value of construction work ¹ | 50 071 124 | (S) | (S) | (S) | (S) | (S) | 4 697 701 | 7 941 815 | 6 479 618 | 6 482 630 | 18 255 152 |
| Value added†† | 32 876 569 | (S) | (S) | (S) | (S) | (S) | 3 012 814 | 5 189 382 | 4 247 382 | 4 187 224 | 12 302 638 |
| Cost of materials, components, supplies, and fuels | 18 895 502 | (S) | (S) | (S) | (S) | (S) | 1 778 658 | 2 984 374 | 2 393 893 | 2 459 350 | 6 883 438 |
| Cost of construction work subcontracted to others | 21 106 400 | (S) | (S) | (S) | (S) | (S) | 863 811 | 1 818 831 | 1 937 972 | 2 227 681 | 13 457 779 |
| Rental cost for machinery, equipment, and buildings | 1 327 711 | (S) | (S) | (S) | (S) | (S) | 115 918 | 194 519 | 173 202 | 175 426 | 536 532 |
| Capital expenditures, other than land | 898 871 | (S) | (S) | (S) | (S) | (S) | 93 898 | 128 992 | 121 345 | 101 061 | 311 698 |
| End-of-year gross book value of depreciable assets | 6 367 653 | (S) | (S) | (S) | (S) | (S) | 622 154 | 956 737 | 911 988 | 718 001 | 2 154 485 |
| 1982 | | | | | | | | | | | |
| All employees** | 443 349 | 7 750 | 6 821 | 15 098 | 40 635 | 43 450 | 51 091 | 62 447 | 44 672 | 37 386 | 133 996 |
| Value of construction work ¹ | 40 579 275 | 74 225 | 148 562 | 501 458 | 1 808 733 | 2 372 616 | 3 197 857 | 4 869 776 | 4 295 909 | 4 054 714 | 19 255 422 |
| Value added†† | 19 628 452 | 37 594 | 77 272 | 262 253 | 952 982 | 1 239 311 | 1 671 729 | 2 534 547 | 2 210 351 | 1 929 012 | 8 713 398 |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** | (W) | (S) | (S) | (S) | (S) | (S) | 2 | 1 | 1 | (W) | (W) |
| Net value of construction work ¹ | (W) | (S) | (S) | (S) | (S) | (S) | 2 | 1 | 1 | 1 | 1 |
| Capital expenditures, other than land | 1 | (S) | (S) | (S) | (S) | (S) | 5 | 4 | 8 | 2 | 1 |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|--|---|-------------------|--|------------------------|---|------|------|------|
| | Total | New construction | Additions, alterations, or reconstruction ² | Maintenance and repair | | | | |
| | | | | | A | B | C | D |
| 1987 | | | | | | | | |
| Value of construction work¹ | 71 177 525 | 51 137 633 | 11 092 409 | 5 655 858 | (W) | (W) | 1 | 1 |
| Building construction | 55 863 172 | 42 329 977 | 9 267 805 | 3 750 995 | (W) | 1 | 1 | 2 |
| Single-family houses | 21 948 802 | 18 302 997 | 2 434 656 | 1 211 149 | 1 | 1 | 2 | 2 |
| Single-family houses, detached | 17 964 300 | 14 817 545 | 2 131 142 | 1 015 613 | 1 | 1 | 2 | 2 |
| Single-family houses, attached | 3 984 502 | 3 485 452 | 303 514 | 195 536 | 2 | 2 | 5 | 4 |
| Apartment buildings with two or more apartments | 3 677 873 | 3 111 382 | 232 376 | 334 114 | 3 | 2 | 4 | 15 |
| Other residential buildings, including hotels and motels | 2 376 982 | 1 904 744 | 329 113 | 143 124 | 2 | 3 | 3 | 3 |
| Hotels and motels | 1 521 705 | 1 253 911 | 185 891 | 81 902 | 3 | 4 | 3 | 3 |
| Other residential buildings, excluding hotels and motels | 855 277 | 650 833 | 143 222 | 61 222 | 4 | 4 | 6 | 6 |
| Office buildings | 9 010 112 | 6 365 558 | 2 108 198 | 536 355 | 1 | 1 | 2 | 2 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 6 288 167 | 4 295 722 | 1 402 322 | 590 123 | 1 | 1 | 2 | 4 |
| Industrial buildings and warehouses | 6 768 175 | 4 874 848 | 1 336 618 | 556 708 | 1 | 1 | 2 | 2 |
| Industrial buildings | 4 979 766 | 3 413 344 | 1 102 220 | 464 202 | 1 | 1 | 2 | 2 |
| Warehouses | 1 788 409 | 1 461 504 | 234 398 | 92 506 | 2 | 2 | 3 | 4 |
| Religious buildings | 303 751 | 187 714 | 77 314 | 38 723 | 6 | 10 | 6 | 5 |
| Educational buildings | 1 435 037 | 876 430 | 440 440 | 118 166 | 2 | 1 | 3 | 5 |
| Hospitals and institutional buildings | 2 359 907 | 1 581 406 | 658 611 | 119 889 | 1 | 1 | 2 | 5 |
| Farm buildings | 106 815 | 77 934 | 16 192 | 12 687 | 11 | 14 | 17 | 9 |
| Amusement, social, and recreational buildings | 228 875 | 149 398 | 53 712 | 25 765 | 4 | 6 | 7 | 5 |
| Other nonresidential buildings | 844 277 | 601 844 | 178 253 | 64 192 | 2 | 2 | 5 | 5 |
| Land development for buildings | 514 399 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| Nonbuilding construction | 12 537 124 | 8 807 656 | 1 824 605 | 1 904 863 | 1 | 1 | 2 | 1 |
| Highways, streets, and related facilities | 3 082 650 | 1 760 850 | 776 394 | 545 405 | 1 | 1 | 4 | 2 |
| Outdoor swimming pools | 441 078 | 343 030 | 65 045 | 33 003 | 7 | 6 | 14 | 19 |
| Parking areas including private driveways | 601 409 | 403 509 | 76 095 | 121 804 | 3 | 3 | 7 | 6 |
| Fencing | 230 853 | 179 201 | 22 141 | 29 511 | 7 | 7 | 10 | 11 |
| Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts | 106 945 | 83 203 | 13 634 | 10 107 | 10 | 11 | 12 | 16 |
| Bridges, tunnels, and elevated highways | 503 681 | 411 172 | 68 681 | 23 827 | 1 | 1 | 3 | 5 |
| Dam and reservoir construction | 281 890 | 260 603 | 8 680 | 12 606 | 1 | (W) | 3 | 25 |
| Marine construction | 202 960 | 150 882 | 16 592 | 35 485 | 2 | 1 | 4 | 6 |
| Conservation and development construction | 333 294 | 263 989 | 46 538 | 22 766 | 6 | 7 | 7 | 10 |
| Power and communication transmission lines, towers, and related facilities | 715 922 | 506 024 | 69 679 | 140 219 | 8 | 8 | 3 | 10 |
| Sewers, water mains, and related facilities | 1 667 891 | 1 371 555 | 176 900 | 119 436 | 2 | 2 | 5 | 4 |
| Sewers, sewer lines, and related facilities | 869 639 | 718 790 | 89 853 | 60 995 | 2 | 2 | 8 | 6 |
| Water mains and related facilities | 798 252 | 652 765 | 87 047 | 58 441 | 2 | 2 | 3 | 4 |
| Pipeline, other than sewer or water lines | 542 360 | 421 642 | 75 446 | 45 271 | 2 | 3 | 2 | 3 |
| Mass transit construction | 90 830 | 75 560 | 7 245 | 8 024 | 3 | 1 | 8 | 34 |
| Blast furnaces, petroleum refineries, and chemical complexes | 774 265 | 501 417 | 116 824 | 156 022 | 1 | (W) | 2 | 4 |
| Power plants, except nuclear | 629 042 | 533 348 | 25 865 | 69 828 | 1 | 1 | 4 | 1 |
| Sewage treatment and water treatment plants | 650 395 | 498 773 | 117 182 | 34 439 | 2 | 2 | 6 | 13 |
| Water treatment plants | 345 020 | 265 361 | 64 935 | 14 723 | 3 | 3 | 3 | 8 |
| Earthmoving, nonbuilding | 305 375 | 233 412 | 52 247 | 19 716 | 3 | 1 | 13 | 17 |
| Other nonbuilding construction | 365 779 | 311 727 | 27 624 | 26 428 | 3 | 3 | 6 | 4 |
| 1 315 880 | 731 171 | 114 040 | 470 682 | 3 | 3 | 8 | 8 | 8 |
| Construction work, n.s.k. | 2 777 229 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | |
| Value of construction work¹ | 40 579 275 | 34 939 155 | (NA) | 5 640 120 | (W) | (W) | (NA) | 1 |
| Building construction | 26 212 062 | 22 353 169 | (NA) | 3 858 893 | (W) | (W) | (NA) | 1 |
| Single-family houses | 7 444 788 | 6 255 720 | (NA) | 1 189 068 | 1 | 1 | (NA) | 1 |
| Single-family houses, detached | 5 681 326 | 4 670 804 | (NA) | 1 010 522 | 1 | 1 | (NA) | 2 |
| Single-family houses, attached | 1 763 462 | 1 584 916 | (NA) | 178 546 | 1 | 1 | (NA) | 3 |
| Apartment buildings with two or more apartments | 1 218 502 | 982 402 | (NA) | 236 100 | 1 | 1 | (NA) | 2 |
| Other residential buildings, including hotels and motels | 665 459 | 565 384 | (NA) | 100 074 | 1 | 1 | (NA) | 2 |
| Office buildings | 6 489 419 | 5 794 079 | (NA) | 695 340 | (W) | (W) | (NA) | 1 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 2 247 615 | 1 848 243 | (NA) | 399 372 | 1 | 1 | (NA) | 2 |
| Industrial buildings and warehouses | 5 452 436 | 4 631 099 | (NA) | 821 337 | (W) | (W) | (NA) | 1 |
| Industrial buildings | 4 642 155 | 3 943 846 | (NA) | 698 308 | 1 | 1 | (NA) | 1 |
| Warehouses | 810 280 | 687 252 | (NA) | 123 028 | 1 | 1 | (NA) | 2 |
| Religious buildings | 177 780 | 136 443 | (NA) | 41 336 | 3 | 3 | (NA) | 4 |
| Educational buildings | 585 768 | 476 346 | (NA) | 109 422 | 2 | 2 | (NA) | 2 |
| Hospitals and institutional buildings | 1 339 389 | 1 172 508 | (NA) | 166 881 | 1 | 1 | (NA) | 2 |
| Farm buildings | 83 389 | 71 286 | (NA) | 12 103 | 7 | 6 | (NA) | 12 |
| Amusement, social, and recreational buildings | 229 298 | 203 328 | (NA) | 25 970 | 2 | 3 | (NA) | 5 |
| Other nonresidential buildings | 278 212 | 216 327 | (NA) | 61 885 | 3 | 3 | (NA) | 5 |
| Nonbuilding construction | 11 971 562 | 10 639 832 | (NA) | 1 331 729 | (W) | (W) | (NA) | 1 |
| Highways, streets, and related facilities | 1 825 916 | 1 349 833 | (NA) | 476 082 | 1 | 1 | (NA) | 2 |
| Bridges, tunnels, and elevated highways | 262 875 | 216 547 | (NA) | 46 327 | 1 | 1 | (NA) | 3 |
| Dam and reservoir construction | 137 639 | 121 111 | (NA) | 16 528 | 2 | 2 | (NA) | 7 |
| Marine construction | 134 505 | 107 299 | (NA) | 27 206 | 2 | 2 | (NA) | 12 |
| Harbor and port facilities | 100 199 | 61 207 | (NA) | 38 992 | 2 | 2 | (NA) | 4 |
| Conservation and development construction | 218 693 | 192 361 | (NA) | 26 332 | 4 | 3 | (NA) | 2 |
| Power and communication transmission lines, towers, and related facilities | 711 373 | 632 830 | (NA) | 78 542 | 1 | 1 | (NA) | 2 |
| Sewers, water mains, and related facilities | 1 037 864 | 874 297 | (NA) | 163 566 | 1 | 2 | (NA) | 2 |
| Pipeline, other than sewer or water lines | 338 630 | 265 995 | (NA) | 72 635 | 1 | 2 | (NA) | 1 |
| Mass transit construction | 611 594 | 583 017 | (NA) | 28 577 | (W) | (W) | (NA) | 3 |
| Blast furnaces, petroleum refineries, and chemical complexes | 1 972 518 | 1 858 665 | (NA) | 113 853 | (W) | (W) | (NA) | 2 |
| Power plants | 3 285 466 | 3 246 712 | (NA) | 38 753 | 3 | 2 | (NA) | 4 |
| Sewage treatment and water treatment plants | 523 475 | 496 697 | (NA) | 26 777 | 1 | (W) | (NA) | 3 |
| Other nonbuilding construction | 810 815 | 633 261 | (NA) | 177 559 | 3 | 3 | (NA) | 10 |
| Construction work, n.s.k. | 2 395 651 | 1 946 153 | (NA) | 449 496 | 1 | 1 | (NA) | 2 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. **Quarterly Construction Worker Hours and Employment With Payroll by Industry:**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establishments | Average number of construction workers | Construction worker hours (thousands) | January to March | | April to June | |
|---------------------|--|-----------------------------|---|---|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| | | | | | Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) |
| | | A | B | C | D | E | F | G |
| | Construction industries and land subdividers and developers ----- | 59 050 | 466 975 | 738 871 | 441 938 | 169 096 | 465 210 | 185 610 |
| 15, 16, 17 | Construction industries: | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | |
| 1521 | Single-family houses ----- | 10 627 | 39 562 | 53 876 | 37 392 | 12 342 | 40 420 | 13 739 |
| 1522 | Other residential buildings ----- | 1 134 | 8 515 | 12 436 | 8 201 | 2 996 | 8 027 | 3 192 |
| 1531 | Operative builders ----- | 2 051 | 10 499 | 17 066 | 10 224 | 4 050 | 10 774 | 4 327 |
| 154 | General contractors, nonresidential buildings: | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 797 | 8 013 | 13 263 | 7 394 | 2 973 | 7 956 | 3 294 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 3 651 | 36 212 | 60 163 | 34 433 | 14 104 | 35 416 | 14 884 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | |
| 1611 | Highway and street construction----- | 839 | 15 237 | 25 420 | 12 246 | 4 684 | 15 232 | 6 538 |
| 162 | Heavy construction, except highway: | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction ----- | 53 | 1 642 | 2 930 | 1 560 | 658 | 1 651 | 721 |
| 1623 | Water, sewer, and utility lines ----- | 1 063 | 16 023 | 27 199 | 14 006 | 5 845 | 15 603 | 6 653 |
| 1629 | Heavy construction, n.e.c. ----- | 1 146 | 24 604 | 42 878 | 22 882 | 9 444 | 24 743 | 10 749 |
| 17 | Special trade contractors: | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 6 332 | 49 300 | 84 616 | 47 691 | 20 016 | 49 667 | 21 278 |
| 1721 | Painting and paper hanging ----- | 3 660 | 18 422 | 27 079 | 16 808 | 6 062 | 18 355 | 6 677 |
| 1731 | Electrical work----- | 5 753 | 44 987 | 76 374 | 43 241 | 18 010 | 44 975 | 19 180 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 1 536 | 11 035 | 16 232 | 9 949 | 3 530 | 10 857 | 4 109 |
| 1742 | Plastering, drywall, and insulation work----- | 2 991 | 42 757 | 62 739 | 42 195 | 14 701 | 42 454 | 15 853 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 979 | 6 124 | 9 339 | 5 760 | 2 137 | 5 958 | 2 319 |
| 175 | Carpentry and floor work: | | | | | | | |
| 1751 | Carpentry ----- | 2 836 | 29 230 | 42 181 | 27 372 | 9 464 | 28 792 | 10 516 |
| 1752 | Floor laying and other floor work ----- | 1 066 | 5 096 | 8 043 | 4 962 | 1 893 | 5 144 | 2 008 |
| 1761 | Roofing, siding, and sheet metal work----- | 2 625 | 22 173 | 33 192 | 21 042 | 7 535 | 21 453 | 8 068 |
| 1771 | Concrete work----- | 2 846 | 28 823 | 44 275 | 27 768 | 10 305 | 28 635 | 11 245 |
| 1781 | Water well drilling----- | 206 | 1 242 | 2 284 | 1 148 | 509 | 1 253 | 570 |
| 179 | Miscellaneous special trade contractors: | | | | | | | |
| 1791 | Structural steel erection ----- | 422 | 7 163 | 11 377 | 7 050 | 2 678 | 6 909 | 2 774 |
| 1793 | Glass and glazing work ----- | 799 | 4 568 | 7 401 | 4 578 | 1 840 | 4 571 | 1 900 |
| 1794 | Excavation work ----- | 890 | 8 137 | 14 147 | 7 368 | 2 981 | 8 284 | 3 685 |
| 1795 | Wrecking and demolition work ----- | 135 | 2 139 | 2 306 | 2 091 | 533 | 2 124 | 579 |
| 1796 | Installing building equipment, n.e.c. ----- | 349 | 4 366 | 7 955 | 4 648 | 2 038 | 4 336 | 1 988 |
| 1799 | Special trade contractors, n.e.c. ----- | 3 021 | 19 694 | 32 135 | 18 542 | 7 274 | 20 060 | 8 245 |
| 6552 | Land subdividers and developers, n.e.c. .. | 1 232 | 1 383 | 1 950 | 1 376 | 479 | 1 548 | 505 |

¹Construction workers during pay periods including 12th of March, May, August, and November.

| July to September | | October to December | | Relative standard error of estimate (percent) for column— | | | | | | | | | | | 1987 SIC code | |
|---|--|---|--|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---|-----------------------------|-----|
| Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) | B | C | D | E | F | G | H | I | J | K | | | |
| H | I | J | K | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | | |
| 491 068 | 197 326 | 469 683 | 186 838 | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | (W) | 15, 16, 17 | |
| 41 736 9 714 | 14 574 3 245 | 38 699 8 125 | 13 220 3 002 | 2 4 | 2 5 | 2 4 | 2 4 | 2 5 | 2 6 | 2 3 | 2 4 | 2 5 | 2 7 | 15 1521 1522 | 15 | |
| 10 852 | 4 454 | 10 145 | 4 233 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 1531 | |
| 8 500 37 888 | 3 437 15 772 | 8 204 37 111 | 3 558 15 401 | 3 2 | 3 2 | 3 1 | 3 2 | 1541 1542 | 154 |
| 17 063 | 7 503 | 16 408 | 6 694 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1611 | |
| 1 781 17 351 26 103 | 823 7 465 11 326 | 1 575 17 134 24 687 | 726 7 234 11 358 | 2 2 1 | 4 2 1 | 2 2 1 | 4 2 1 | 2 2 1 | 5 2 1 | 3 2 1 | 5 2 1 | 2 2 1 | 2 2 1 | 2 2 1 | 162 1622 1623 1629 | 162 |
| 50 785 | 22 110 | 49 057 | 21 210 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1711 | |
| 19 659 | 7 472 | 18 883 | 6 866 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 1721 | |
| 46 511 | 20 077 | 45 228 | 19 105 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1731 | |
| 12 223 44 376 6 500 | 4 414 16 740 2 491 | 11 117 42 004 6 278 | 4 179 15 443 2 391 | 3 1 3 | 3 2 3 | 3 1 3 | 3 2 3 | 3 1 3 | 3 2 4 | 5 2 3 | 3 2 4 | 3 2 3 | 3 2 4 | 3 2 3 | 1741 1742 1743 | 174 |
| 31 105 5 405 | 11 470 2 156 | 29 653 4 872 | 10 728 1 984 | 2 3 | 2 4 | 3 3 | 3 4 | 2 3 | 2 5 | 2 3 | 3 4 | 2 3 | 2 3 | 2 3 | 175 1751 1752 | 175 |
| 22 831 | 8 801 | 23 366 | 8 786 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 1761 | |
| 30 173 | 11 886 | 28 717 | 10 838 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1771 | |
| 1 340 | 627 | 1 226 | 577 | 4 | 5 | 3 | 5 | 3 | 5 | 4 | 5 | 4 | 5 | 4 | 1781 | |
| 7 576 4 517 8 681 2 181 4 223 20 559 | 3 144 1 788 3 986 596 1 932 8 517 | 7 120 4 606 8 217 2 159 4 260 19 636 | 2 780 1 872 3 493 597 1 996 8 098 | 2 7 3 2 2 2 | 3 7 3 6 3 3 | 2 7 4 6 5 2 | 4 7 4 6 5 3 | 2 7 3 2 2 2 | 3 7 3 6 3 3 | 2 7 2 3 2 2 | 3 7 3 6 3 3 | 2 7 2 3 2 2 | 3 7 3 6 3 3 | 179 1791 1793 1794 1795 1796 1799 | 179 | |
| 1 424 | 507 | 1 185 | 457 | 9 | 10 | 8 | 9 | 10 | 10 | 11 | 11 | 11 | 11 | 10 | 6552 | |

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Average number of employees** per estab- lishment | Payroll per employee (\$1,000) | Construction worker hours per construction worker | Value of construction work per construction worker (\$1,000) | Average per dollar of value of construction work | | | |
|---------------------|--|---|---|---|--|--|--|---|---|
| | | | | | | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Rental cost for machinery, equipment, and buildings |
| | Construction industries and land subdividers and developers | 10.1 | 24.9 | 1 582.3 | 152.4 | .209 | .265 | .297 | .019 |
| 15, 16, 17 | Construction industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | 4.7 | 17.6 | 1 361.8 | 138.2 | .162 | .265 | .353 | .010 |
| 1522 | Other residential buildings | 9.7 | 22.9 | 1 460.5 | 236.2 | .125 | .168 | .568 | .007 |
| 1531 | Operative builders | 11.4 | 30.6 | 1 625.5 | 924.8 | .074 | .178 | .522 | .004 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 14.0 | 30.8 | 1 655.2 | 329.9 | .130 | .202 | .532 | .012 |
| 1542 | Nonresidential buildings, n.e.c. | 13.5 | 29.5 | 1 661.4 | 328.0 | .122 | .132 | .636 | .010 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 22.3 | 33.3 | 1 668.3 | 195.3 | .210 | .321 | .187 | .065 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 36.6 | 28.8 | 1 784.4 | 183.7 | .185 | .208 | .294 | .022 |
| 1623 | Water, sewer, and utility lines | 18.0 | 27.2 | 1 697.5 | 131.2 | .247 | .320 | .107 | .048 |
| 1629 | Heavy construction, n.e.c. | 29.9 | 30.5 | 1 742.7 | 151.5 | .280 | .310 | .136 | .040 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 10.2 | 27.5 | 1 716.3 | 121.2 | .298 | .368 | .083 | .016 |
| 1721 | Painting and paper hanging | 5.8 | 19.5 | 1 469.9 | 62.1 | .364 | .223 | .051 | .018 |
| 1731 | Electrical work | 10.0 | 27.6 | 1 697.7 | 108.2 | .328 | .370 | .056 | .014 |
| 174 | Masonry, stoneowrk, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 8.2 | 21.0 | 1 471.0 | 78.9 | .305 | .362 | .066 | .012 |
| 1742 | Plastering, drywall, and insulation work | 16.3 | 22.0 | 1 467.3 | 73.1 | .343 | .325 | .057 | .014 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 7.6 | 24.0 | 1 525.0 | 86.5 | .338 | .374 | .038 | .012 |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 11.7 | 19.9 | 1 443.1 | 78.1 | .290 | .395 | .076 | .014 |
| 1752 | Floor laying and other floor work | 6.2 | 23.8 | 1 578.3 | 122.3 | .253 | .440 | .074 | .015 |
| 1761 | Roofing, siding, and sheet metal work | 10.4 | 19.2 | 1 497.0 | 86.0 | .275 | .402 | .030 | .017 |
| 1771 | Concrete work | 11.7 | 22.9 | 1 536.1 | 96.5 | .275 | .361 | .100 | .028 |
| 1781 | Water well drilling | 7.8 | 24.5 | 1 839.0 | 118.9 | .265 | .407 | .021 | .017 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 20.8 | 29.6 | 1 588.3 | 116.4 | .311 | .336 | .081 | .022 |
| 1793 | Glass and glazing work | 8.1 | 23.9 | 1 620.2 | 125.4 | .270 | .505 | .018 | .022 |
| 1794 | Excavation work | 10.8 | 27.5 | 1 738.6 | 148.0 | .220 | .213 | .107 | .104 |
| 1795 | Wrecking and demolition work | 19.1 | 14.7 | 1 078.1 | 61.8 | .285 | .115 | .064 | .058 |
| 1796 | Installing building equipment, n.e.c. | 15.6 | 34.9 | 1 822.0 | 120.0 | .362 | .259 | .046 | .015 |
| 1799 | Special trade contractors, n.e.c. | 8.2 | 19.9 | 1 631.7 | 88.0 | .284 | .312 | .101 | .020 |
| 6552 | Land subdividers and developers, n.e.c. | 5.4 | 24.2 | 1 410.0 | 799.2 | .147 | .106 | .529 | .008 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|-------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | | | | | | | | | B | E |
| | FRESNO, CA MSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 1 488 | 13 046 | 266 457 | 1 264 546 | 907 417 | 543 999 | 381 097 | 357 129 | 14 282 | 2 | 2 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings----- | 15 | 644 | 6 655 | 58 234 | 26 660 | 11 573 | 16 042 | 31 574 | 250 | 18 | 12 |
| 1531 | Operative builders----- | 30 | 259 | 5 741 | 95 078 | 41 413 | 25 921 | 16 514 | 53 664 | 799 | 18 | 14 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 10 | 173 | 3 275 | 18 829 | 10 231 | 6 061 | (D) | 8 598 | *285 | 32 | 25 |
| 1542 | Nonresidential buildings, n.e.c.----- | 93 | 1 481 | 34 447 | 286 165 | 115 807 | 61 370 | (D) | 170 358 | 918 | 11 | 6 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction----- | 29 | 694 | 13 700 | 72 264 | 57 881 | 39 994 | 24 047 | 14 384 | 2 397 | 6 | 8 |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction----- | | | | | | | | | | | |
| 1622 | Water, sewer, and utility lines----- | 23 | 380 | 11 423 | 53 185 | 44 636 | 22 454 | (D) | 8 549 | 951 | 5 | 4 |
| 1629 | Heavy construction, n.e.c.----- | 37 | 334 | 8 707 | 32 458 | 28 777 | 18 873 | 10 353 | *3 681 | *829 | 17 | 15 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 161 | 1 348 | 29 150 | 95 620 | 93 239 | 51 911 | 42 149 | 2 380 | 1 336 | 5 | 5 |
| 1721 | Painting and paper hanging----- | 111 | 638 | 10 434 | 25 688 | 24 715 | 18 556 | 6 239 | 974 | 354 | 12 | 6 |
| 1731 | Electrical work----- | 105 | 1 035 | 24 886 | 79 272 | 77 188 | 45 239 | 33 927 | 2 084 | 778 | 6 | 9 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 45 | 220 | 4 638 | 16 346 | 15 464 | 9 969 | 5 495 | 882 | (S) | 12 | 10 |
| 1742 | Plastering, drywall, and insulation work----- | 92 | 1 726 | 43 744 | 121 555 | 112 667 | 78 482 | 34 946 | 8 889 | 787 | 7 | 6 |
| 1743 | Terrazzo, tile, marble, and mosaic work----- | 48 | 314 | 5 852 | 15 963 | 15 821 | 9 031 | 6 790 | *142 | (D) | 7 | 6 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floorwork----- | 24 | 112 | 2 635 | 7 850 | 7 209 | 4 127 | 3 396 | *641 | (S) | 20 | 10 |
| 1761 | Roofing, siding, and sheet metal work----- | 45 | 272 | 4 701 | 22 823 | 21 762 | 12 389 | (D) | 1 061 | 331 | 23 | 15 |
| 1771 | Concrete work----- | 105 | 690 | 11 850 | 38 543 | 36 514 | 21 640 | 14 956 | 2 029 | 486 | 10 | 8 |
| 1781 | Water well drilling----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection----- | 7 | 180 | 4 627 | 11 797 | 11 196 | 6 805 | 4 391 | *601 | 204 | 1 | 5 |
| 1793 | Glass and glazing work----- | 16 | 125 | 2 655 | 9 177 | 9 083 | 4 908 | 4 699 | *95 | *42 | 15 | 26 |
| 1794 | Excavation work----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work----- | 11 | 34 | 765 | 3 789 | 3 318 | 2 422 | *1 058 | (S) | (D) | 22 | 25 |
| 1796 | Installing building equipment, n.e.c.----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1799 | Special trade contractors, n.e.c.----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 6552 | Land subdividers and developers, n.e.c.----- | 22 | 88 | *1 658 | *19 952 | 5 574 | 4 125 | *1 556 | (S) | 12 | 31 | 21 |
| | LOS ANGELES-ANAHEIM- RIVERSIDE, CA CMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 23 733 | 274 151 | 6 866 178 | 33 891 613 | 23 305 405 | 15 484 322 | 8 722 219 | 10 586 208 | 380 498 | 1 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses----- | 3 089 | 16 642 | 308 378 | 2 040 208 | 1 268 939 | 771 540 | 526 801 | 771 269 | 18 784 | 3 | 6 |
| 1522 | Other residential buildings----- | 431 | 3 961 | 89 591 | 769 379 | 305 746 | 209 909 | 109 700 | 463 633 | 2 204 | 5 | 6 |
| 1531 | Operative builders----- | 793 | 11 154 | 375 915 | 5 674 079 | 2 548 492 | 1 966 714 | 888 725 | 3 125 587 | 49 253 | 2 | 2 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 382 | 5 457 | 169 741 | 1 325 766 | 586 470 | 351 391 | 276 066 | 739 296 | 5 930 | 4 | 3 |
| 1542 | Nonresidential buildings, n.e.c.----- | 1 515 | 21 118 | 632 806 | 5 359 256 | 1 775 998 | 1 305 739 | 641 898 | 3 583 257 | 27 876 | 2 | 2 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | |
|--|---|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | A | | | | | | | | B | E |
| LOS ANGELES-ANAHEIM-RIVERSIDE, CA CMSA—Con. | | | | | | | | | | | | |
| 15,16, 17 | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 16 | Construction industries—Con. | | | | | | | | | | | |
| 1611 | Heavy construction other than building construction—contractors: | 278 | 6 950 | 231 343 | 1 166 782 | 938 930 | 636 355 | 338 297 | 227 852 | 29 019 | 2 | 2 |
| 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 11 | 241 | 8 017 | 43 926 | 36 429 | 23 413 | 13 080 | 7 498 | 683 | (D) | (D) |
| 1623 | Water, sewer, and utility lines | 439 | (D) | 310 838 | (D) | 1 024 534 | 695 712 | 317 750 | 354 239 | 22 778 | 2 | 2 |
| 1629 | Heavy construction, n.e.c. | 430 | 10 241 | 1 185 727 | 1 024 534 | 695 712 | 161 194 | 25 259 | 2 | 2 | | |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 2 943 | 31 653 | 862 914 | 2 980 130 | 2 706 616 | 1 654 161 | 1 093 055 | 273 514 | 34 719 | 1 | 1 |
| 1721 | Painting and paper hanging | 1 397 | 9 085 | 179 567 | 503 888 | 474 513 | 365 384 | 111 003 | 29 375 | 9 275 | 3 | 3 |
| 1731 | Electrical work | 2 704 | 28 122 | 784 198 | 2 394 950 | 2 258 182 | 1 386 387 | 907 270 | 136 769 | 26 276 | 2 | 1 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 733 | 7 253 | 143 185 | 472 222 | 444 009 | 279 393 | 167 893 | 28 213 | 4 056 | 3 | 3 |
| 1742 | Plastering, drywall, and insulation work | 1 159 | 23 760 | 517 777 | 1 525 062 | 1 437 940 | 959 370 | 490 296 | 87 122 | 22 597 | 2 | 1 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 348 | 3 134 | 78 164 | 241 041 | 225 562 | 142 382 | 88 098 | 15 479 | 4 513 | 4 | 7 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 1 240 | 18 733 | 360 543 | 1 200 529 | 1 115 579 | 638 674 | 491 485 | 84 949 | 11 485 | 3 | 3 |
| 1752 | Floor laying and other floorwork | 382 | 2 883 | 70 702 | 292 642 | 264 193 | 137 917 | 130 044 | 28 450 | 1 634 | 5 | 8 |
| 1761 | Roofing, siding, and sheet metal work | 1 141 | 13 208 | 252 437 | 943 611 | 918 219 | 539 294 | 382 812 | 25 392 | 15 407 | 3 | 2 |
| 1771 | Concrete work | 1 128 | 17 356 | 407 594 | 1 536 947 | 1 362 596 | 811 487 | 559 675 | 174 351 | 18 458 | 2 | 2 |
| 1781 | Water well drilling | 57 | (D) | (D) | (D) | 68 861 | (D) | (D) | 1 959 | 1 164 | (D) | 3 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 232 | 4 902 | 147 125 | 486 705 | 442 595 | 288 545 | 165 382 | 44 110 | 3 444 | 2 | 2 |
| 1793 | Glass and glazing work | 400 | 2 811 | 65 515 | 252 377 | 246 601 | 134 612 | 124 719 | 5 776 | 1 429 | 7 | 6 |
| 1794 | Excavation work | 326 | 4 852 | 142 081 | 636 324 | 573 189 | 459 854 | 124 601 | 63 135 | 18 580 | 4 | 3 |
| 1795 | Wrecking and demolition work | 65 | 1 699 | 22 246 | 70 162 | 66 152 | 58 936 | 8 688 | 4 011 | 2 230 | 3 | 5 |
| 1796 | Installing building equipment, n.e.c. | 144 | 2 865 | 95 133 | 262 662 | 250 968 | 193 151 | 66 471 | 11 694 | 1 492 | 3 | 2 |
| 1799 | Special trade contractors, n.e.c. | 1 412 | 12 386 | 245 483 | 882 426 | 787 815 | 535 065 | 273 498 | 94 610 | 15 788 | 3 | 3 |
| 6552 | Land subdividers and developers, n.e.c. | 553 | 3 621 | 85 052 | 560 261 | 254 746 | 273 035 | 38 911 | 305 515 | 6 167 | 10 | 13 |
| ANAHEIM-SANTA ANA, CA PMSA | | | | | | | | | | | | |
| 15,16, 17 | Construction industries and land subdividers and developers | 5 096 | 69 831 | 1 853 076 | 9 667 918 | 6 072 501 | 3 979 061 | 2 467 901 | 3 595 417 | 94 189 | 1 | 1 |
| 16 | Construction industries: | | | | | | | | | | | |
| 1611 | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 637 | 4 001 | 75 689 | 474 576 | 296 090 | 183 057 | 118 740 | 178 486 | 4 160 | 5 | 6 |
| 1522 | Other residential buildings | 99 | 835 | 20 982 | 191 622 | 73 192 | 54 263 | 24 751 | 118 430 | 489 | 11 | 9 |
| 1531 | Operative builders | 176 | 3 593 | 148 602 | 2 077 303 | 760 593 | 567 589 | 382 681 | 1 316 710 | 12 978 | 2 | 2 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 109 | 1 634 | 48 815 | 383 513 | 156 179 | 100 587 | 83 079 | 227 334 | 1 815 | 5 | 5 |
| 1542 | Nonresidential buildings, n.e.c. | 340 | 4 836 | 149 931 | 1 513 446 | 407 293 | 309 276 | (D) | 1 106 153 | 4 467 | 3 | 4 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 41 | 968 | 33 149 | 189 005 | 150 867 | 88 511 | 64 905 | 38 138 | 7 158 | 7 | 5 |
| 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1623 | Water, sewer, and utility lines | 106 | 1 881 | 47 222 | 201 387 | 180 849 | 121 858 | (D) | 20 537 | 3 021 | 7 | 5 |
| 1629 | Heavy construction, n.e.c. | 93 | 3 224 | 119 429 | 337 220 | 292 992 | 164 893 | 131 739 | 44 228 | 3 881 | 3 | 5 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | | | | | | | | | B | E |
| | ANAHEIM-SANTA ANA, CA PMSA—Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 557 | 7 294 | 206 412 | 767 680 | 656 890 | 388 981 | 275 102 | 110 790 | 8 743 | 3 | 2 |
| 1721 | Painting and paper hanging | 301 | 2 356 | 49 807 | 137 433 | 129 691 | 100 043 | 29 692 | 7 743 | 2 537 | 5 | 6 |
| 1731 | Electrical work | 557 | 7 271 | 211 640 | 648 997 | 610 829 | 351 218 | 265 041 | *38 168 | 5 357 | 2 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 186 | 1 873 | 37 691 | 122 614 | 116 197 | 73 404 | 43 276 | 6 418 | 994 | 7 | 5 |
| 1742 | Plastering, drywall, and insulation work | 243 | 5 010 | 122 632 | 400 244 | 378 195 | 264 184 | 116 078 | 22 049 | 8 436 | 4 | 2 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 101 | 753 | 18 613 | 61 813 | 56 229 | 33 625 | 23 086 | *5 584 | 1 567 | 6 | 10 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 267 | 6 234 | 131 121 | 384 627 | 366 597 | 207 047 | 165 753 | 18 030 | 2 926 | 2 | 2 |
| 1752 | Floor laying and other floorwork | 76 | 899 | 24 169 | 91 125 | 85 727 | 44 659 | 42 693 | 5 399 | 428 | 8 | 6 |
| 1761 | Roofing, siding, and sheet metal work | 208 | 3 313 | 65 145 | 234 630 | 230 829 | 136 968 | 96 169 | 3 801 | 4 388 | 5 | 4 |
| 1771 | Concrete work | 259 | 5 805 | 141 667 | 487 002 | 440 476 | 263 304 | 179 434 | 46 526 | 6 507 | 3 | 2 |
| 1781 | Water well drilling | 6 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 43 | 671 | 17 188 | 60 501 | 55 073 | 36 046 | 20 151 | 5 428 | 282 | 9 | 7 |
| 1793 | Glass and glazing work | 96 | 770 | 20 206 | 85 658 | 83 305 | 43 518 | 43 497 | 2 353 | (D) | 21 | 17 |
| 1794 | Excavation work | 88 | 1 448 | 45 874 | 210 454 | 193 551 | 151 639 | 46 543 | 16 902 | 8 021 | 6 | 4 |
| 1795 | Wrecking and demolition work | 14 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | 401 | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. | 39 | 558 | 16 036 | 51 559 | 49 804 | 42 274 | (D) | 1 755 | 428 | 9 | 4 |
| 1799 | Special trade contractors, n.e.c. | (S) | (D) | (S) | (S) | (S) | (D) | (S) | (S) | (D) | (S) | (D) |
| 6552 | Land subdividers and developers, n.e.c. | 143 | 1 741 | 46 044 | 342 914 | 115 273 | 130 062 | 15 277 | 227 641 | 1 919 | 19 | 14 |
| | LOS ANGELES-LONG BEACH, CA PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 11 990 | 135 471 | 3 494 693 | 17 238 983 | 11 908 312 | 8 022 093 | 4 266 595 | 5 330 671 | 176 528 | 1 | 1 |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 1 521 | 8 049 | 150 093 | 1 011 504 | 619 975 | 380 301 | 257 492 | 391 529 | 6 851 | 4 | 11 |
| 1522 | Other residential buildings | 256 | 2 519 | 57 491 | 474 914 | 189 760 | 132 906 | 64 107 | 285 154 | 1 219 | 6 | 9 |
| 1531 | Operative builders | 468 | 5 329 | 166 282 | 2 686 337 | 1 420 449 | 1 077 302 | 413 550 | 1 265 888 | 31 897 | 4 | 3 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 195 | 2 871 | 95 050 | 782 068 | 355 460 | 203 132 | 162 331 | 426 608 | 2 469 | 7 | 4 |
| 1542 | Nonresidential buildings, n.e.c. | 822 | 13 449 | 412 202 | 3 294 920 | 1 142 376 | 836 646 | 417 592 | 2 152 544 | 19 534 | 3 | 2 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 130 | 2 196 | 68 546 | 386 424 | 322 142 | 224 197 | 110 706 | 64 282 | 7 690 | 5 | 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 5 | 125 | 3 605 | 21 462 | 18 868 | 12 296 | 6 623 | 2 595 | (D) | 21 | 17 |
| 1623 | Water, sewer, and utility lines | 136 | 3 894 | 124 745 | 477 697 | 435 230 | 290 200 | 148 200 | 42 467 | 8 539 | 3 | 2 |
| 1629 | Heavy construction, n.e.c. | 140 | 4 706 | 126 208 | 547 283 | 481 812 | 355 192 | 142 100 | 65 471 | 8 873 | 2 | 2 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | | | | | | | | | B | E |
| | LOS ANGELES-LONG BEACH, CA PMSA—Con. | | | | | | | | | | | |
| 15,16, 17 17 | Construction Industries and land subdividers and developers—Con. Construction industries—Con. | | | | | | | | | | | |
| 1711 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 1 637 | 18 039 | 510 321 | 1 705 667 | 1 566 156 | 973 436 | 616 666 | 139 511 | 18 849 | 2 | 1 |
| 1721 | Painting and paper hanging | 743 | 4 582 | 94 294 | 269 373 | 253 191 | 195 785 | 57 858 | 16 182 | 4 637 | 5 | 4 |
| 1731 | Electrical work | 1 482 | 15 182 | 438 600 | 1 320 644 | 1 234 986 | 784 145 | 477 012 | 85 658 | 14 546 | 2 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 310 | 3 376 | 61 225 | 196 208 | 189 013 | 116 226 | 74 883 | 7 195 | 2 284 | 5 | 4 |
| 1742 | Plastering, drywall, and insulation work | 508 | 10 332 | 240 125 | 694 878 | 651 894 | 434 800 | 224 379 | 42 985 | 6 994 | 2 | 2 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 151 | 1 683 | 45 156 | 140 098 | 130 909 | 84 456 | 50 214 | 9 189 | 1 883 | 7 | 10 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 595 | 6 715 | 118 902 | 396 007 | 355 350 | 211 145 | 147 376 | 40 657 | 3 191 | 7 | 8 |
| 1752 | Floor laying and other floorwork | 221 | 1 489 | 36 201 | 151 818 | 133 271 | 74 232 | 60 011 | 18 547 | 721 | 4 | 11 |
| 1761 | Roofing, siding, and sheet metal work | 590 | 6 429 | 132 305 | 483 243 | 467 324 | 279 677 | 188 709 | 15 920 | 6 284 | 3 | 3 |
| 1771 | Concrete work | 455 | 6 352 | 166 062 | 653 498 | 559 994 | 340 784 | 222 097 | 93 504 | 7 313 | 4 | 3 |
| 1781 | Water well drilling | 19 | 236 | 4 257 | 17 297 | 17 017 | 12 128 | 5 406 | 280 | 402 | 10 | 11 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 119 | 2 662 | 81 017 | 263 026 | 238 894 | 155 928 | 91 314 | 24 132 | 2 088 | 3 | 3 |
| 1793 | Glass and glazing work | 214 | 1 445 | 31 848 | 107 124 | 105 008 | 62 071 | 50 505 | 2 116 | (D) | 7 | 5 |
| 1794 | Excavation work | 121 | 1 792 | 59 123 | 241 185 | 212 351 | 171 310 | 44 479 | 28 834 | 4 753 | 4 | 2 |
| 1795 | Wrecking and demolition work | 43 | 1 333 | 14 149 | 44 478 | 41 955 | 37 144 | 6 180 | 2 523 | 1 694 | 3 | 5 |
| 1796 | Installing building equipment, n.e.c. | 86 | 2 144 | 75 800 | 199 546 | 189 853 | 141 877 | 54 727 | 9 694 | 830 | 2 | 2 |
| 1799 | Special trade contractors, n.e.c. | 705 | 6 951 | 147 811 | 498 488 | 460 784 | 314 400 | 157 753 | 37 704 | 9 415 | 4 | 4 |
| 6552 | Land subdividers and developers, n.e.c. | 317 | 1 589 | 33 275 | 173 795 | 114 293 | 120 380 | 14 326 | 59 502 | 2 948 | 7 | 25 |
| | OXNARD-VENTURA, CA PMSA | | | | | | | | | | | |
| 15,16, 17 17 | Construction Industries and land subdividers and developers | 1 349 | 13 281 | 315 842 | 1 260 160 | 1 037 709 | 667 221 | 391 327 | 222 451 | 20 425 | 3 | 2 |
| 15,16, 17 17 | Construction Industries: | | | | | | | | | | | |
| 152 | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 1521 | General contractors, residential buildings: | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Single-family houses | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings | | | | | | | | | | | |
| 1531 | Operative builders | 21 | 199 | 7 057 | 39 990 | 16 056 | 14 957 | 3 849 | 23 934 | 522 | 15 | 29 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 25 | 281 | 7 617 | 45 805 | 21 937 | 14 419 | 7 973 | 23 868 | *310 512 | 21 | 14 |
| 1542 | Nonresidential buildings, n.e.c. | 90 | 509 | 12 258 | 97 780 | 49 856 | 35 098 | (D) | 47 924 | 13 | 16 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 17 | 671 | 32 055 | 122 295 | 106 644 | 70 878 | 38 634 | 15 651 | 3 610 | 2 | 1 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 1 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines | 30 | 531 | 16 517 | 58 079 | 54 803 | 35 881 | 19 189 | 3 275 | 1 141 5 340 | 3 | 5 |
| 1629 | Heavy construction, n.e.c. | 52 | 759 | 21 994 | 110 529 | 82 264 | 58 262 | 24 369 | 28 266 | 7 | | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work ^t | Value added ^t | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|-----------------------------|--|---|---|---|-----|
| | | | A | B | C | D | E | F | G | H | B | E |
| | OXNARD-VENTURA, CA PMSA—Con. | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers—Con. | | | | | | | | | | | |
| | Construction Industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 160 | 1 219 | 30 742 | 109 353 | 104 249 | 61 006 | 45 083 | 5 104 | 974 | 7 | 6 |
| 1721 | Painting and paper hanging | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1731 | Electrical work | 127 | 1 211 | 34 295 | 105 632 | 103 539 | 62 710 | 42 293 | 2 094 | 780 | 10 | 11 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 46 | 398 | 8 834 | 31 618 | 30 889 | 18 263 | (D) | 729 | (D) | 16 | 14 |
| 1742 | Plastering, drywall, and insulation work | 57 | 1 575 | 29 608 | 80 345 | 77 441 | 48 565 | 30 186 | 2 904 | *1 361 | 13 | 8 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 31 | 340 | 8 664 | 21 650 | 21 391 | 14 878 | (D) | (S) | 258 | 10 | 9 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 69 | 1 317 | 24 518 | 96 707 | 93 042 | 57 059 | 38 004 | 3 665 | 474 | 11 | 16 |
| 1752 | Floor laying and other floorwork | *17 | 88 | *1 672 | *5 194 | *4 996 | *2 887 | *2 920 | *198 | *124 | 39 | 47 |
| 1761 | Roofing, siding, and sheet metal work | 60 | 422 | 5 243 | 21 402 | 20 916 | 11 077 | 9 839 | *486 | *485 | 22 | 16 |
| 1771 | Concrete work | 125 | 1 020 | 17 677 | 67 749 | 64 643 | 37 564 | 27 132 | 3 106 | 464 | 9 | 11 |
| 1781 | Water well drilling | 8 | 58 | 1 475 | 4 673 | (D) | 3 121 | 1 627 | (D) | (D) | 31 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 9 | 248 | 8 195 | 19 888 | (D) | 13 379 | (D) | (D) | 381 | 3 | (D) |
| 1793 | Glass and glazing work | 29 | 80 | 1 856 | 8 426 | 8 361 | 3 799 | (D) | 65 | (D) | 14 | 16 |
| 1794 | Excavation work | 24 | 224 | 4 440 | 20 569 | 18 421 | 13 944 | 4 551 | *2 148 | (S) | 29 | 29 |
| 1795 | Wrecking and demolition work | 3 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1799 | Special trade contractors, n.e.c. | 68 | 575 | 13 179 | 43 017 | 35 669 | 22 554 | 14 429 | 7 348 | 220 | 9 | 7 |
| 6552 | Land subdividers and developers, n.e.c. | 16 | 43 | 1 384 | *15 027 | 4 557 | 6 781 | (D) | *10 470 | (D) | 17 | 8 |
| | RIVERSIDE-SAN BERNARDINO, CA PMSA | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers | 5 297 | 55 546 | 1 201 843 | 5 722 276 | 4 284 819 | 2 814 762 | 1 595 516 | 1 437 457 | 89 355 | 1 | 1 |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 769 | 3 699 | 66 201 | 457 424 | 287 240 | 169 873 | 122 429 | 170 184 | 6 179 | 5 | 8 |
| 1522 | Other residential buildings | 73 | 493 | 9 552 | 90 984 | 36 065 | 18 721 | 17 976 | *54 919 | 390 | 12 | 16 |
| 1531 | Operative builders | 127 | 2 033 | 53 974 | 870 449 | 351 394 | 306 866 | 88 645 | 519 055 | 3 856 | 6 | 5 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 53 | 671 | 18 259 | 114 380 | 52 894 | 33 254 | 22 684 | 61 485 | 1 337 | 15 | 11 |
| 1542 | Nonresidential buildings, n.e.c. | 264 | 2 324 | 58 415 | 453 109 | 176 473 | 124 718 | 54 384 | 276 637 | 3 363 | 8 | 6 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 91 | 3 114 | 97 594 | 469 058 | 359 277 | 252 769 | 124 052 | 109 780 | 10 561 | 3 | 5 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 4 | 72 | 2 565 | 11 999 | 9 044 | 5 831 | (D) | 2 955 | (D) | (W) | (W) |
| 1623 | Water, sewer, and utility lines | 166 | 3 033 | 72 368 | 276 572 | 250 650 | 178 479 | 56 031 | 25 923 | 10 077 | 4 | 6 |
| 1629 | Heavy construction, n.e.c. | 145 | 1 552 | 43 206 | 190 696 | 167 466 | 117 365 | 56 031 | 23 230 | 7 165 | 6 | 5 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | A | | | | | | | | B | E |
| | RIVERSIDE-SAN BERNARDINO, CA PMSA—Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 588 | 5 079 | 114 716 | 395 153 | 377 256 | 229 553 | 155 324 | 17 897 | 6 153 | 3 | 3 |
| 1721 | Painting and paper hanging | 256 | 1 719 | 28 921 | 80 766 | 76 312 | 58 389 | 19 300 | 4 455 | 1 878 | 9 | 7 |
| 1731 | Electrical work | 539 | 4 458 | 99 663 | 319 676 | 308 828 | 188 314 | 122 924 | 10 849 | 5 593 | 6 | 6 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 190 | 1 605 | 35 435 | 121 782 | 107 910 | 71 499 | (D) | 13 872 | (D) | 6 | 8 |
| 1742 | Plastering, drywall, and insulation work | 352 | 6 843 | 125 412 | 349 596 | 330 411 | 211 821 | 119 654 | 19 185 | 5 805 | 3 | 2 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 66 | 359 | 5 731 | 17 480 | 17 033 | 9 423 | (D) | *447 | *805 | 15 | 15 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 310 | 4 468 | 86 002 | 323 187 | 300 591 | 163 423 | 140 352 | 22 596 | 4 895 | 3 | 3 |
| 1752 | Floor laying and other floorwork | 67 | 406 | 8 660 | 44 505 | 40 199 | 16 139 | 24 421 | *4 306 | 361 | 21 | 32 |
| 1761 | Roofing, siding, and sheet metal work | 283 | 3 043 | 49 745 | 204 335 | 199 149 | 111 572 | 88 094 | 5 185 | 4 251 | 7 | 5 |
| 1771 | Concrete work | 290 | 4 178 | 82 189 | 328 698 | 297 483 | 169 835 | 131 013 | 31 215 | 4 173 | 5 | 5 |
| 1781 | Water well drilling | 24 | 277 | 7 124 | 26 750 | (D) | 16 913 | 10 796 | (D) | 737 | 5 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 61 | 1 322 | 40 725 | 143 290 | (D) | 83 192 | (D) | (D) | 693 | 4 | (D) |
| 1793 | Glass and glazing work | 61 | 517 | 11 605 | 51 169 | 49 927 | 25 224 | (D) | 1 242 | 935 | 9 | 7 |
| 1794 | Excavation work | 93 | 1 389 | 32 644 | 164 116 | 148 866 | 122 961 | 29 027 | 15 250 | *5 594 | 9 | 11 |
| 1795 | Wrecking and demolition work | *6 | *82 | *1 831 | 5 646 | (D) | *4 819 | *679 | (D) | 47 | (D) | |
| 1796 | Installing building equipment, n.e.c. | 18 | 122 | 2 725 | 9 918 | 9 815 | 7 503 | (D) | 103 | *234 | 24 | 11 |
| 1799 | Special trade contractors, n.e.c. | 326 | 2 440 | 42 233 | 173 015 | 147 568 | 100 496 | 49 791 | 25 447 | 3 074 | 7 | 7 |
| 6552 | Land subdividers and developers, n.e.c. | 77 | 249 | 4 349 | 28 525 | 20 624 | 15 811 | (D) | 7 901 | (D) | 17 | 14 |
| | SACRAMENTO, CA MSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 3 827 | 32 855 | 760 655 | 3 879 670 | 2 642 542 | 1 640 609 | 1 069 622 | 1 237 127 | 70 759 | 1 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 747 | 3 329 | 50 733 | 300 595 | 208 795 | 127 900 | 88 715 | 91 800 | 2 960 | 8 | 8 |
| 1522 | Other residential buildings | 66 | 1 218 | 37 503 | 306 946 | 106 269 | 62 671 | 44 944 | 200 677 | 792 | 4 | 5 |
| 1531 | Operative builders | 136 | 914 | 23 796 | 300 001 | 153 528 | 107 465 | 52 820 | 146 473 | 3 339 | 14 | 10 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 55 | 833 | 20 045 | 148 565 | 86 979 | 37 129 | 54 477 | 61 585 | (D) | 7 | 5 |
| 1542 | Nonresidential buildings, n.e.c. | 242 | 3 369 | 88 097 | 802 617 | 286 366 | 199 715 | 94 226 | 516 250 | 4 345 | 4 | 3 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 49 | 1 504 | 51 823 | 219 876 | 196 271 | 92 560 | (D) | 23 605 | 21 088 | 3 | 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 9 | 504 | 15 168 | 92 317 | 62 021 | 47 059 | (D) | 30 296 | 1 796 | 2 | 2 |
| 1623 | Water, sewer, and utility lines | 68 | 639 | 16 876 | 86 691 | 74 446 | 43 828 | 31 320 | 12 245 | 1 044 | 10 | |
| 1629 | Heavy construction, n.e.c. | 58 | 651 | 19 921 | 92 138 | 70 096 | 45 614 | (D) | 22 042 | 6 978 | 9 | 15 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|--------------------------------|--|----------------------------------|--------------------|-----------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | A | B | | | | | | | B | E |
| SACRAMENTO, CA MSA—Con. | | | | | | | | | | | | |
| 15,16, 17 17 | Construction industries and land subdividers and developers—Con. Construction industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 378 | 3 740 | 87 168 | 316 249 | 295 814 | 164 108 | 134 060 | 20 435 | 2 985 | 3 | 4 |
| 1721 | Painting and paper hanging | 213 | 1 097 | 18 416 | 49 637 | 47 771 | 35 090 | (D) | 1 866 | 1 145 | 10 | 7 |
| 1731 | Electrical work | 352 | 3 156 | 79 638 | 249 576 | 233 955 | 142 661 | 93 329 | 15 622 | 4 174 | 3 | 3 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1742 | Plastering, drywall, and insulation work | 196 | 2 702 | 51 544 | 163 526 | 150 647 | 96 547 | (D) | *12 879 | 1 498 | 6 | 5 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 66 | 489 | 10 633 | 30 638 | 29 801 | 18 848 | (D) | 837 | 780 | 10 | 9 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 204 | 1 071 | 20 702 | 71 481 | 65 366 | 39 708 | 27 393 | 6 115 | 1 347 | 9 | 7 |
| 1752 | Floor laying and other floorwork | 41 | 318 | 7 262 | 26 289 | (D) | 11 597 | 12 551 | (D) | 220 | 14 | (D) |
| 1761 | Roofing, siding, and sheet metal work | 163 | 1 236 | 24 538 | 98 692 | 96 113 | 62 061 | 37 788 | 2 579 | *1 752 | 7 | 8 |
| 1771 | Concrete work | 195 | 1 615 | 38 850 | 122 765 | 114 953 | 72 016 | 43 296 | 7 812 | 2 684 | 6 | 6 |
| 1781 | Water well drilling | 22 | 211 | 5 262 | 19 952 | 19 681 | 12 184 | 7 909 | 271 | 655 | 8 | 13 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 25 | 518 | 13 081 | 41 891 | 40 944 | 29 185 | 11 994 | 947 | 652 | 4 | 3 |
| 1793 | Glass and glazing work | 43 | 234 | 5 541 | 25 478 | 25 264 | 13 694 | 12 747 | 214 | *206 | 10 | 4 |
| 1794 | Excavation work | 50 | 395 | 7 609 | 51 218 | 45 541 | 40 211 | 8 509 | 5 677 | *1 332 | 20 | 9 |
| 1795 | Wrecking and demolition work | 5 | 47 | 1 056 | 5 129 | (D) | 4 057 | 581 | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. | 14 | 164 | 6 758 | 19 735 | 19 192 | 15 340 | (D) | 543 | (D) | (D) | (D) |
| 1799 | Special trade contractors, n.e.c. | 259 | 1 856 | 33 176 | 122 546 | 111 814 | 75 798 | 39 634 | 10 732 | *2 607 | 8 | 10 |
| 6552 | Land subdividers and developers, n.e.c. | 58 | 275 | 7 616 | 61 445 | 23 231 | 16 797 | 6 991 | 38 215 | 153 | 12 | 25 |
| SAN DIEGO, CA MSA | | | | | | | | | | | | |
| 15,16, 17 17 | Construction industries and land subdividers and developers | 5 091 | 58 835 | 1 342 232 | 6 267 019 | 4 434 057 | 2 855 380 | 1 700 241 | 1 832 961 | 81 760 | 1 | 1 |
| | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 858 | 5 795 | 100 503 | 576 711 | 386 632 | 228 356 | 167 163 | 190 080 | 6 202 | 7 | 7 |
| 1522 | Other residential buildings | 104 | 1 358 | 28 527 | 204 686 | 123 822 | 86 883 | 39 067 | 80 864 | 1 576 | 12 | 6 |
| 1531 | Operative builders | 175 | 2 076 | 58 726 | 743 308 | 364 372 | 265 562 | 113 026 | 378 936 | 4 935 | 5 | 5 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 38 | 1 127 | 35 626 | 1 266 610 | 121 815 | 82 869 | (D) | 144 796 | 5 000 | 5 | 5 |
| 1542 | Nonresidential buildings, n.e.c. | 307 | 5 200 | 132 118 | 1 039 821 | 403 796 | 278 261 | 131 198 | 636 025 | 4 037 | 3 | 4 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 67 | 1 266 | 40 593 | 182 047 | 152 428 | 90 038 | (D) | 29 618 | 7 194 | 5 | 3 |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | *11 | 337 | 5 234 | 22 675 | 18 022 | 15 176 | (D) | 4 653 | *168 | 7 | 20 |
| 1623 | Water, sewer, and utility lines | 71 | 1 222 | 37 076 | 146 347 | 132 769 | 90 201 | 45 460 | 13 578 | 4 290 | 5 | 4 |
| 1629 | Heavy construction, n.e.c. | 103 | 1 579 | 50 514 | 194 146 | 162 329 | 116 880 | 54 696 | 31 817 | 11 089 | 6 | 4 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|---|----------------------------------|--------------------|-----------|---------------------------|----------------------------------|--|------------------|--|---|---|--|---|
| | | | A | B | | | | | | | | B | E |
| | SAN DIEGO, CA MSA—Con. | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers—Con. | | | | | | | | | | | | |
| 15,16, 17 | Construction Industries—Con. | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 523 | 6 434 | 166 516 | 538 879 | 502 341 | 309 133 | 202 776 | 36 537 | 7 296 | 3 | 2 | |
| 1721 | Painting and paper hanging | 281 | 1 909 | 31 997 | 85 683 | 82 622 | 61 742 | (D) | 3 061 | 1 487 | 8 | 5 | |
| 1731 | Electrical work | 486 | 4 777 | 114 338 | 402 831 | 359 567 | 197 763 | 166 482 | *43 265 | 5 474 | 4 | 4 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 132 | 1 003 | 22 962 | 69 758 | 66 394 | 40 989 | 25 509 | 3 364 | 1 151 | 8 | 8 | |
| 1742 | Plastering, drywall, and insulation work | 303 | 6 296 | 128 523 | 350 714 | 334 708 | 215 560 | 127 421 | 16 006 | 3 803 | 3 | 2 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 92 | 934 | 19 797 | 56 558 | 56 036 | 34 763 | 21 922 | 521 | 300 | 8 | 10 | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | |
| 1751 | Carpentry | 334 | 4 070 | 74 957 | 261 327 | 235 112 | 131 725 | 105 550 | 26 215 | 1 669 | 7 | 4 | |
| 1752 | Floor laying and other floorwork | 79 | 633 | 12 407 | 39 475 | 36 525 | 21 316 | 16 080 | 2 950 | 447 | 13 | 6 | |
| 1761 | Roofing, siding, and sheet metal work | 211 | 2 564 | 44 992 | 157 643 | 153 712 | 84 508 | 69 654 | 3 931 | 2 018 | 7 | 4 | |
| 1771 | Concrete work | 286 | 4 039 | 86 197 | 317 165 | 280 281 | 163 559 | 118 183 | 36 884 | 4 940 | 4 | 2 | |
| 1781 | Water well drilling | 16 | (D) | (D) | (D) | (D) | (D) | 1 674 | (D) | (D) | (D) | (D) | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | |
| 1791 | Structural steel erection | 41 | 862 | 22 529 | 68 844 | 63 612 | 48 201 | 22 781 | 5 233 | 398 | 7 | 5 | |
| 1793 | Glass and glazing work | 55 | 588 | 15 715 | 55 361 | 54 816 | 33 945 | 26 009 | 545 | 659 | 7 | 10 | |
| 1794 | Excavation work | 101 | 1 207 | 28 932 | 142 226 | 116 919 | 93 011 | 32 471 | *25 308 | 3 964 | 5 | 4 | |
| 1795 | Wrecking and demolition work | 3 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 1796 | Installing building equipment, n.e.c. | 26 | 338 | 11 613 | 36 349 | 35 681 | 25 073 | 10 972 | 668 | 462 | 12 | 13 | |
| 1799 | Special trade contractors, n.e.c. | 259 | 2 320 | 48 417 | 159 945 | 143 200 | 99 561 | 50 448 | 16 745 | 2 336 | 7 | 7 | |
| 6552 | Land subdividers and developers, n.e.c. | 131 | 789 | 20 718 | 138 715 | 37 575 | 33 172 | 17 278 | 101 141 | 556 | 9 | 11 | |
| | SAN FRANCISCO-OAKLAND- SAN JOSE, CA CMSA | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers | 14 430 | 150 979 | 4 255 369 | 19 093 665 | 13 584 705 | 8 924 847 | 5 039 954 | 5 508 960 | 229 655 | 1 | 1 | |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | |
| 1521 | Single-family houses | 3 173 | 14 226 | 270 164 | 1 516 638 | 1 002 890 | 650 284 | 404 065 | 513 748 | 19 841 | 3 | 3 | |
| 1522 | Other residential buildings | 244 | 2 604 | 62 186 | 465 752 | 204 206 | 122 511 | 86 503 | 261 546 | 1 848 | 9 | 8 | |
| 1531 | Operative builders | 557 | 5 392 | 175 027 | 2 109 275 | 1 109 012 | 691 109 | 493 013 | 1 000 263 | 17 807 | 3 | 3 | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 205 | 2 833 | 95 040 | 727 734 | 1 340 248 | 226 703 | 124 273 | 387 486 | 2 597 | 4 | 4 | |
| 1542 | Nonresidential buildings, n.e.c. | 941 | 13 570 | 460 854 | 3 645 973 | 1 341 869 | 870 546 | 510 906 | 2 304 104 | 14 561 | 2 | 2 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | |
| 1611 | Highway and street construction | 191 | (D) | (D) | (D) | (D) | (D) | 214 183 | (D) | (D) | (D) | (D) | |
| 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 15 | (D) | 12 712 | (D) | 47 534 | (D) | (D) | 20 849 | 800 | (D) | (D) | |
| 1623 | Water, sewer, and utility lines | 261 | (D) | (D) | (D) | 496 766 | 319 972 | (D) | 69 538 | 16 733 | 3 | 2 | |
| 1629 | Heavy construction, n.e.c. | 273 | 15 952 | 497 308 | 1 710 960 | 1 502 369 | 964 599 | 563 317 | 208 590 | 42 876 | (D) | (W) | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|
| | | | | | | | | | | | |
| A | B | C | D | E | F | G | H | I | B | E | |
| | SAN FRANCISCO-OAKLAND-SAN JOSE, CA CMSA—Con. | | | | | | | | | | |
| 15,16, 17 17 | Construction industries and land subdividers and developers—Con. Construction industries—Con. | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 1 317 | 14 538 | 473 689 | 1 483 014 | 1 345 050 | 857 980 | 507 204 | 137 964 | 16 827 | 1 1 |
| 1721 | Painting and paper hanging----- | 1 110 | 6 465 | 144 182 | 378 341 | 362 850 | 285 100 | 80 182 | 15 491 | 6 077 | 4 5 |
| 1731 | Electrical work ----- | 1 297 | 15 383 | 478 722 | 1 365 928 | 1 306 419 | 861 976 | 463 338 | 59 509 | 12 591 | 2 1 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | 272 | 2 223 | 61 147 | 204 132 | 184 377 | 111 318 | 73 165 | 19 754 | 2 284 | 5 5 |
| 1742 | Plastering, drywall, and insulation work ----- | 621 | 9 012 | 241 703 | 665 062 | 631 570 | 437 513 | 202 405 | 33 492 | 5 498 | 3 2 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 230 | 1 820 | 49 499 | 133 230 | 131 085 | 83 882 | 48 962 | 2 146 | 2 554 | 4 4 |
| 175 | Carpentry and floor work: | | | | | | | | | | |
| 1751 | Carpentry----- | 590 | 6 758 | 160 114 | 501 375 | 462 641 | 279 645 | 191 463 | 38 734 | 3 983 | 4 3 |
| 1752 | Floor laying and other floorwork----- | 361 | 1 980 | 50 504 | 195 904 | 186 596 | 108 598 | 82 516 | 9 307 | 1 996 | 4 4 |
| 1761 | Roofing, siding, and sheet metal work ----- | 693 | 7 018 | 154 628 | 506 768 | 486 531 | 307 232 | 193 026 | 20 237 | 6 839 | 3 2 |
| 1771 | Concrete work ----- | 580 | 6 581 | 166 612 | 563 667 | 519 510 | 337 978 | 186 206 | 44 157 | 9 606 | 3 2 |
| 1781 | Water well drilling ----- | 31 | 256 | 6 411 | 19 650 | 19 438 | 13 997 | 7 527 | 212 | 638 | (W) (W) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | |
| 1791 | Structural steel erection----- | 73 | (D) | (D) | (D) | (D) | 97 964 | (D) | 12 501 | 1 541 | (D) (D) |
| 1793 | Glass and glazing work----- | 207 | 2 137 | 53 078 | 182 780 | 179 519 | 96 047 | 92 546 | 3 262 | 1 217 | 16 15 |
| 1794 | Excavation work----- | 190 | 2 083 | 63 118 | 286 866 | 262 094 | 202 581 | 68 703 | 24 772 | 8 939 | 4 3 |
| 1795 | Wrecking and demolition work----- | 34 | 636 | 10 750 | 41 537 | 38 699 | 37 777 | 3 871 | 2 838 | 836 | 2 5 |
| 1796 | Installing building equipment, n.e.c.----- | 98 | 1 724 | 69 480 | 181 813 | 171 391 | 127 480 | 46 527 | 10 422 | 2 232 | 4 2 |
| 1799 | Special trade contractors, n.e.c.----- | 600 | 5 159 | 115 073 | 378 008 | 339 411 | 237 216 | 111 259 | 38 597 | 7 065 | 4 5 |
| 6552 | Land subdividers and developers, n.e.c. ----- | 269 | 1 295 | 35 347 | 258 939 | 158 483 | 149 671 | 38 394 | 98 455 | 2 247 | 9 6 |
| | OAKLAND, CA PMSA | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 4 363 | 48 740 | 1 395 341 | 8 414 026 | 4 864 529 | 3 135 055 | 1 680 889 | 1 749 496 | 84 640 | 1 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | |
| 1521 | Single-family houses----- | 967 | 4 749 | 93 048 | 558 661 | 346 321 | 249 015 | 132 417 | 212 339 | 9 349 | 4 4 |
| 1522 | Other residential buildings----- | 50 | 405 | 10 642 | 86 237 | 35 830 | 22 492 | 14 286 | 50 408 | (S) 19 | 19 |
| 1531 | Operative builders ----- | 147 | 2 762 | 93 431 | 1 193 509 | 803 299 | 369 142 | 262 136 | 590 210 | 9 411 | 3 4 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 51 | 967 | 32 019 | 203 128 | 108 026 | 69 876 | 38 389 | 95 102 | 1 071 | 5 3 |
| 1542 | Nonresidential buildings, n.e.c.----- | 243 | 3 295 | 108 244 | 741 038 | 356 456 | 228 849 | 135 388 | 384 582 | 4 002 | 4 5 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | |
| 1611 | Highway and street construction----- | 63 | 1 665 | 65 177 | 337 558 | 256 270 | 174 912 | 83 489 | 81 288 | 8 854 | 3 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction----- | 8 | 112 | 3 922 | 20 249 | 14 931 | 9 991 | 5 026 | 5 318 | (D) 11 | 15 |
| 1623 | Water, sewer, and utility lines----- | 96 | 2 032 | 56 555 | 229 199 | 199 617 | 124 882 | 75 642 | 29 582 | 8 778 | 3 4 |
| 1629 | Heavy construction, n.e.c.----- | 81 | 2 545 | 91 636 | 330 304 | 270 255 | 214 453 | 78 262 | 60 050 | 7 527 | 1 1 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establishments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted to others | Capital expenditures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------|---|--------------------------|-----------------|------------------------|----------------------------|---------------------------------|---------------|--|---|---------------------------------------|---|-----|
| | | | A | | | | | | | | B | E |
| | OAKLAND, CA PMSA—Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 382 | 5 203 | 174 697 | 535 111 | 477 090 | 301 557 | 185 511 | 58 021 | 4 916 | 2 | 2 |
| 1721 | Painting and paper hanging | 363 | 2 376 | 51 706 | 131 567 | 126 691 | 99 874 | 27 721 | 4 876 | 2 191 | 7 | 5 |
| 1731 | Electrical work | 413 | 5 470 | 162 157 | 471 795 | 455 253 | 305 741 | 155 351 | 16 542 | 3 697 | 2 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 64 | 937 | 34 158 | 119 115 | (D) | 58 788 | 42 279 | (D) | 1 269 | 5 | (D) |
| 1742 | Plastering, drywall, and insulation work | 192 | 2 286 | 59 090 | 165 968 | 159 842 | 109 485 | 51 245 | 6 127 | 1 408 | 5 | 3 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 68 | 508 | 15 004 | 42 008 | 41 126 | 26 836 | (D) | 882 | *1 515 | 11 | 10 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry | 172 | 2 498 | 59 049 | 186 777 | 175 635 | 103 707 | (D) | 11 142 | 1 754 | 8 | 5 |
| 1752 | Floor laying and other floorwork | 112 | 588 | 16 412 | 78 397 | 74 046 | 41 570 | 33 447 | 4 351 | 848 | 8 | 7 |
| 1761 | Roofing, siding, and sheet metal work | 226 | 2 416 | 49 239 | 158 609 | 153 109 | 100 507 | 55 929 | 5 500 | 2 590 | 6 | 4 |
| 1771 | Concrete work | 164 | 2 351 | 57 778 | 190 326 | (D) | 118 646 | 58 831 | (D) | 3 388 | 5 | (D) |
| 1781 | Water well drilling | 6 | 32 | 638 | 1 906 | 1 864 | 1 290 | 753 | 42 | (D) | (W) | - |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection | 26 | 751 | 26 057 | 81 677 | 74 513 | 50 818 | (D) | 7 164 | 603 | 6 | 2 |
| 1793 | Glass and glazing work | 74 | 702 | 18 946 | 65 238 | 63 795 | 33 570 | 30 589 | 1 443 | 644 | 8 | 6 |
| 1794 | Excavation work | 74 | 830 | 26 191 | 110 779 | 96 288 | 77 261 | 20 804 | 14 491 | 3 554 | 7 | 6 |
| 1795 | Wrecking and demolition work | 10 | 277 | 5 754 | 23 275 | 21 780 | 21 097 | (D) | 1 495 | (D) | (W) | (W) |
| 1796 | Installing building equipment, n.e.c. | 27 | 701 | 29 332 | 83 985 | 78 681 | 57 745 | 21 944 | 5 304 | 1 614 | 1 | 1 |
| 1799 | Special trade contractors, n.e.c. | 215 | 1 861 | 44 063 | 140 690 | 124 869 | 86 629 | 42 303 | 15 821 | 3 041 | 7 | 7 |
| 6552 | Land subdividers and developers, n.e.c. | 69 | 422 | 10 395 | 126 920 | 73 041 | 76 323 | 15 551 | 53 879 | 1 433 | 16 | 5 |
| | SAN FRANCISCO, CA PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 3 987 | 50 035 | 1 443 555 | 6 114 284 | 4 200 470 | 2 683 449 | 1 602 271 | 1 913 814 | 69 854 | 1 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses | 909 | 4 193 | 80 750 | 419 110 | 286 465 | 175 561 | 119 552 | 132 645 | 3 095 | 5 | 5 |
| 1522 | Other residential buildings | 105 | 1 453 | 33 561 | 237 436 | 105 569 | 63 013 | (D) | 131 868 | *781 | 13 | 13 |
| 1531 | Operative builders | 176 | 1 171 | 34 496 | 266 483 | 148 301 | 97 514 | 70 121 | 118 182 | 900 | 9 | 8 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 55 | 589 | 19 488 | 147 707 | 65 598 | 41 537 | 24 714 | 82 110 | 347 | 7 | 12 |
| 1542 | Nonresidential buildings, n.e.c. | 353 | 5 905 | 211 704 | 1 680 205 | 537 761 | 308 247 | 236 930 | 1 142 444 | 3 887 | 3 | 3 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction | 33 | 1 005 | 31 948 | 130 573 | 106 774 | 77 191 | 32 535 | 23 799 | 5 590 | 5 | 4 |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 2 | (D) | 17 (D) | 73 (D) | 65 (D) | 43 (D) | 21 (D) | 8 (D) | (D) | (D) | (D) |
| 1622 | Water, sewer, and utility lines | 29 | 658 | 17 288 | 73 654 | 65 330 | 43 872 | 21 898 | 8 324 | *338 | 7 | 4 |
| 1623 | Heavy construction, n.e.c. | 49 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|---|----------------------------------|--------------------|---------|---------------------------|----------------------------------|--|------------------|--|---|---|---|---|
| | | | A | B | | | | | | | | B | E |
| | SAN FRANCISCO, CA PMSA— Con. | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 403 | 4 121 | 138 093 | 426 094 | 384 502 | 251 406 | 137 408 | 41 592 | 4 917 | 2 | 2 | |
| 1721 | Painting and paper hanging | 323 | 1 983 | 47 708 | 115 705 | 110 761 | 86 545 | 24 724 | 4 944 | 2 178 | 5 | 4 | |
| 1731 | Electrical work | 408 | 4 292 | 143 129 | 375 197 | 362 938 | 248 785 | 120 282 | 12 259 | 4 112 | 5 | 3 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 67 | 539 | 13 127 | 38 513 | 37 656 | 25 574 | 12 082 | 857 | 371 | 17 | 15 | |
| 1742 | Plastering, drywall, and insulation work | 124 | 2 376 | 62 926 | 176 655 | 167 065 | 117 029 | 54 728 | 9 591 | 1 254 | 3 | 2 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 49 | 507 | 12 558 | 33 285 | 32 887 | 19 085 | 14 432 | 398 | 433 | 7 | 4 | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | |
| 1751 | Carpentry | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 1752 | Floor laying and other floorwork | 72 | 521 | 13 831 | 49 895 | 48 484 | 29 733 | 20 096 | 1 411 | *385 | 8 | 5 | |
| 1761 | Roofing, siding, and sheet metal work | 168 | 1 784 | 44 823 | 137 738 | 129 895 | 87 949 | 42 909 | 7 843 | 1 297 | 5 | 4 | |
| 1771 | Concrete work | 84 | 945 | 21 716 | 72 888 | (D) | 44 863 | (D) | (D) | 1 882 | 13 | (D) | |
| 1781 | Water well drilling | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | |
| 1791 | Structural steel erection | 15 | 280 | 8 980 | 24 664 | 23 129 | 13 469 | (D) | 1 535 | (D) | 2 | 4 | |
| 1793 | Glass and glazing work | 53 | 500 | 10 731 | 34 158 | 33 783 | 19 926 | 17 216 | 375 | *257 | 24 | 8 | |
| 1794 | Excavation work | 26 | 694 | 18 991 | 89 090 | 84 347 | 54 337 | (D) | 4 743 | 2 462 | 2 | 2 | |
| 1795 | Wrecking and demolition work | 14 | 286 | 2 933 | 11 518 | 10 617 | 9 969 | (D) | 901 | (D) | 2 | 5 | |
| 1796 | Installing building equipment, n.e.c. | 51 | 827 | 31 132 | 74 245 | 69 737 | 54 515 | 16 693 | 4 508 | 408 | 8 | 5 | |
| 1799 | Special trade contractors, n.e.c. | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 6552 | Land subdividers and developers, n.e.c. | 107 | 525 | 16 894 | 98 970 | 66 093 | 56 727 | 19 008 | 32 877 | *564 | 13 | 11 | |
| | SAN JOSE, CA PMSA | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 2 888 | 31 012 | 911 477 | 4 170 375 | 2 939 956 | 1 966 567 | 1 066 568 | 1 230 419 | 31 853 | 2 | 1 | |
| 15,16, 17 | Construction industries: | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | |
| 1521 | Single-family houses | 468 | 2 266 | 46 433 | 262 489 | 174 638 | 105 300 | 71 678 | 87 852 | 1 780 | 7 | 8 | |
| 1522 | Other residential buildings | 52 | 384 | 11 068 | 84 887 | 32 836 | 20 252 | 13 212 | 52 051 | *262 | 24 | 9 | |
| 1531 | Operative builders | 130 | 868 | 32 686 | 474 421 | 258 766 | 155 055 | 125 751 | 215 655 | 1 475 | 9 | 6 | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 44 | 753 | 28 561 | 286 863 | 109 082 | 87 960 | 25 618 | 177 782 | 636 | 8 | 8 | |
| 1542 | Nonresidential buildings, n.e.c. | 163 | 2 833 | 97 501 | 813 559 | 301 006 | 240 048 | 83 744 | 512 553 | 4 996 | 4 | 4 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | |
| 1611 | Highway and street construction | 49 | 955 | 32 702 | 165 290 | 128 341 | 85 103 | 47 915 | 36 949 | 1 854 | 5 | 4 | |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 4 | 233 | 7 824 | 44 850 | (D) | 21 209 | 9 280 | (D) | (D) | (W) | (D) | |
| 1622 | Water, sewer, and utility lines | 58 | 695 | 19 646 | 81 348 | 72 611 | 40 579 | (D) | 8 738 | 2 089 | 10 | 6 | |
| 1623 | Heavy construction, n.e.c. | 50 | 557 | 15 619 | 68 217 | 59 534 | 43 773 | 16 386 | 8 682 | 534 | 12 | 5 | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|--|
| | | | | | | | | | | | B | E | |
| | SAN JOSE, CA PMSA—Con. | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers—Con. | | | | | | | | | | | | |
| 15,16, 17 | Construction Industries—Con. | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 268 | 3 438 | 113 670 | 365 896 | 336 797 | 213 042 | 127 875 | 29 099 | 4 224 | 2 | 3 | |
| 1721 | Painting and paper hanging----- | 232 | 1 400 | 32 629 | 81 575 | (D) | 61 610 | 16 546 | (D) | 864 | 7 | (D) | |
| 1731 | Electrical work ----- | 230 | 3 980 | 136 069 | 383 402 | 363 385 | 232 740 | 134 885 | 20 016 | 2 951 | 2 | 1 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 1742 | Plastering, drywall, and insulation work ----- | 167 | 3 026 | 86 547 | 225 151 | 214 213 | 149 867 | 66 495 | 10 938 | 1 548 | 5 | 3 | |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 64 | 506 | 14 498 | 36 139 | 35 543 | 23 858 | 12 326 | 596 | 361 | 2 | 2 | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | |
| 1751 | Carpentry----- | 112 | 1 323 | 33 149 | 104 418 | 100 185 | 58 074 | 43 945 | 4 233 | 746 | 4 | 3 | |
| 1752 | Floor laying and other floorwork----- | 108 | 666 | 16 362 | 51 905 | 48 794 | 28 635 | 21 750 | *3 111 | *550 | 8 | 8 | |
| 1761 | Roofing, siding, and sheet metal work ----- | 163 | 1 599 | 39 016 | 122 807 | 117 346 | 72 526 | 49 961 | 5 461 | 1 674 | 5 | 3 | |
| 1771 | Concrete work ----- | 151 | 2 092 | 59 960 | 202 366 | 184 171 | 118 941 | (D) | 18 195 | 1 696 | 6 | 5 | |
| 1781 | Water well drilling ----- | 4 | (S) | (S) | (S) | (D) | (S) | (S) | (D) | (D) | (S) | (S) | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | |
| 1791 | Structural steel erection----- | 14 | 251 | 7 439 | 26 131 | 23 569 | 15 956 | (D) | 2 562 | 223 | (W) | (W) | |
| 1793 | Glass and glazing work----- | 53 | 786 | 20 230 | 71 501 | 70 227 | 36 748 | 37 737 | *1 275 | (D) | 39 | 39 | |
| 1794 | Excavation work----- | 32 | 187 | 7 339 | 46 885 | 45 957 | 46 285 | (D) | 928 | 223 | 14 | 6 | |
| 1795 | Wrecking and demolition work----- | (S) | 73 | 2 063 | 6 744 | 6 302 | 6 711 | (D) | 442 | (D) | 21 | 27 | |
| 1796 | Installing building equipment, n.e.c.----- | 14 | 166 | 7 904 | 20 837 | 20 240 | 13 365 | (D) | 597 | 131 | (W) | (W) | |
| 1799 | Special trade contractors, n.e.c.----- | 141 | 1 421 | 29 669 | 100 436 | 92 174 | 66 059 | 29 118 | 8 262 | 1 707 | 8 | 8 | |
| 6552 | Land subdividers and developers, n.e.c.----- | 39 | 192 | 5 282 | 17 281 | 11 559 | 8 981 | 3 035 | 5 722 | (S) | 21 | 26 | |
| | SANTA CRUZ, CA PMSA | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 801 | 4 100 | 86 024 | 437 395 | 335 344 | 220 266 | 127 306 | 102 051 | 5 089 | 4 | 5 | |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | |
| 1521 | Single-family houses----- | 260 | 872 | 13 787 | 70 202 | 54 606 | 32 855 | 22 914 | 15 596 | 342 | 10 | 11 | |
| 1522 | Other residential buildings----- | 12 | 137 | 2 925 | 24 496 | 13 973 | 11 636 | (D) | 10 523 | *173 | 26 | 13 | |
| 1531 | Operative builders----- | 24 | 60 | 1 115 | 18 424 | *8 242 | *6 762 | *1 740 | 10 182 | *160 | 38 | 43 | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 5 | 50 | 1 310 | 5 249 | (D) | 2 247 | (D) | (D) | (D) | (W) | (D) | |
| 1542 | Nonresidential buildings, n.e.c.----- | 36 | 240 | 6 687 | 58 868 | 31 251 | 20 969 | (D) | 27 617 | 381 | 18 | 16 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | |
| 1611 | Highway and street construction----- | 11 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction----- | - | - | - | - | - | - | - | - | - | - | - | |
| 1622 | Water, sewer, and utility lines----- | 6 | 86 | 4 152 | 23 767 | 20 349 | 13 347 | (D) | 3 418 | 226 | (W) | (W) | |
| 1623 | Heavy construction, n.e.c.----- | *16 | *38 | *851 | 8 363 | (D) | 2 913 | *1 046 | (D) | 69 | 50 | (D) | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------|---------------------------|----------------------------------|--|------------------|--|---|---|---|---|--|
| | | | A | B | | | | | | | | B | E | |
| | SANTA CRUZ, CA PMSA—Con. | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | | | |
| | Construction industries—Con. | | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 67 | 442 | 10 718 | 37 599 | 35 410 | 22 382 | 14 144 | 2 189 | 452 | 11 | 13 | | |
| 1721 | Painting and paper hanging | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1731 | Electrical work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1742 | Plastering, drywall, and insulation work | 35 | 261 | 4 354 | 14 889 | 14 789 | 8 274 | 6 629 | *100 | *217 | 21 | 20 | | |
| 1743 | Terrazzo, tile, marble, and mosaic work | *8 | 46 | 996 | 3 745 | (D) | 2 320 | 1 666 | (D) | 72 | 12 | (D) | | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | | |
| 1751 | Carpentry | 28 | 157 | 3 696 | 13 028 | 12 198 | 6 663 | 5 674 | *800 | 67 | 13 | 11 | | |
| 1752 | Floor laying and other floorwork | 13 | 34 | 673 | 3 587 | 3 477 | 1 839 | 1 728 | *110 | 156 | 13 | 18 | | |
| 1761 | Roofing, siding, and sheet metal work | 37 | 255 | 4 067 | 14 766 | 14 473 | 7 692 | 6 814 | *293 | 282 | 16 | 17 | | |
| 1771 | Concrete work | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1781 | Water well drilling | 5 | 84 | (D) | 4 443 | (D) | 3 562 | 2 508 | (D) | (D) | (W) | (D) | | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | | |
| 1791 | Structural steel erection | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1793 | Glass and glazing work | 6 | 31 | 670 | 3 246 | (D) | 1 587 | 1 866 | (D) | (D) | (W) | (D) | | |
| 1794 | Excavation work | 7 | 31 | 728 | 2 394 | 1 984 | 1 951 | (D) | 410 | (D) | 20 | 26 | | |
| 1795 | Wrecking and demolition work | — | — | — | — | — | — | — | — | — | — | — | | |
| 1796 | Installing building equipment, n.e.c. | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | | |
| 1799 | Special trade contractors, n.e.c. | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 6552 | Land subdividers and developers, n.e.c. | *20 | *64 | *1 008 | *7 348 | (S) | *1 959 | *343 | *5 465 | (D) | 58 | (S) | | |
| | SANTA ROSA-PETALUMA, CA PMSA | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 1 507 | 8 706 | 204 950 | 1 003 826 | 755 950 | 472 525 | 310 720 | 247 877 | 22 800 | 2 | 3 | | |
| 15,16, 17 | Construction industries: | | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | | |
| 1521 | Single-family houses | 397 | 1 190 | 19 883 | 119 557 | 84 365 | 56 504 | 31 575 | 35 192 | 4 703 | 8 | 8 | | |
| 1522 | Other residential buildings | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1531 | Operative builders | 50 | 427 | 11 360 | 140 659 | 80 476 | 56 576 | 29 222 | 60 183 | *5 563 | 16 | 21 | | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 33 | 380 | 11 108 | 69 549 | 45 539 | 19 319 | (D) | 24 010 | (D) | 16 | 14 | | |
| 1542 | Nonresidential buildings, n.e.c. | 108 | 753 | 17 211 | 119 138 | 54 821 | 37 177 | 18 309 | 64 317 | 898 | 11 | 8 | | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | | |
| 1611 | Highway and street construction | 17 | 419 | 16 141 | 61 484 | 50 425 | 30 015 | (D) | 11 059 | 1 390 | 5 | 3 | | |
| 162 | Heavy construction, except highway: | | | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1623 | Water, sewer, and utility lines | 49 | 321 | 8 935 | 43 010 | 37 797 | 24 734 | (D) | 5 213 | 766 | 19 | 20 | | |
| 1629 | Heavy construction, n.e.c. | 43 | 268 | 6 846 | 29 564 | 25 609 | 8 216 | (D) | 3 955 | 1 423 | 16 | 12 | | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

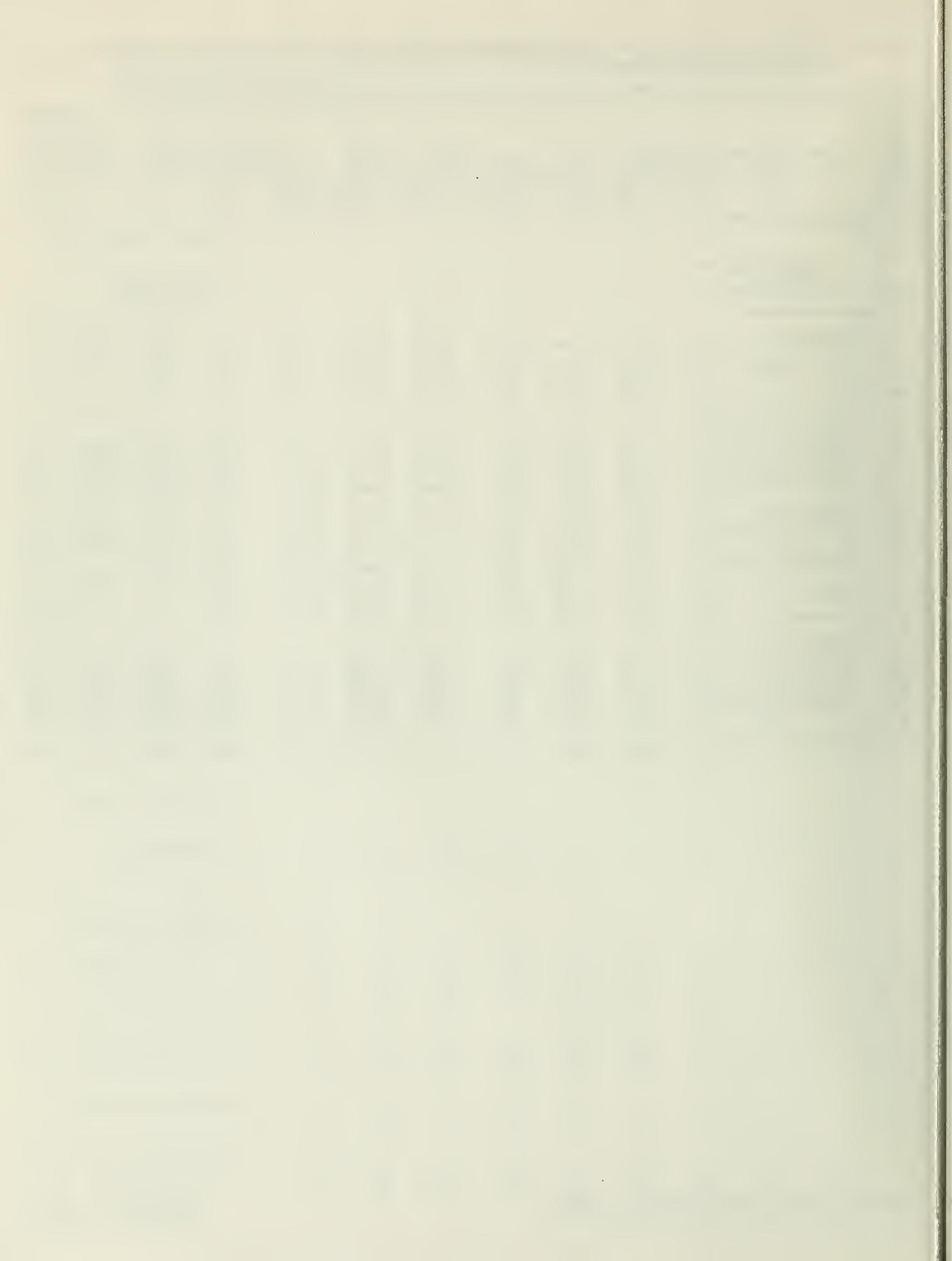
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | | | | | | | | | B | E |
| | SANTA ROSA-PETALUMA, CA PMSA—Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 113 | 591 | 17 356 | 56 079 | 52 081 | 32 241 | 20 127 | 3 998 | 1 361 | 7 | 6 |
| 1721 | Painting and paper hanging----- | 90 | 307 | 4 186 | 14 135 | 13 748 | 9 466 | 4 336 | 388 | 306 | 10 | 10 |
| 1731 | Electrical work ----- | 100 | 545 | 12 976 | 45 105 | 40 711 | 25 472 | 15 562 | 4 394 | 701 | 7 | 9 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | 32 | 93 | 1 561 | 6 875 | (D) | 3 942 | *2 750 | (D) | *5 | 31 | (D) |
| 1742 | Plastering, drywall, and insulation work ----- | 61 | 532 | 13 907 | 45 291 | 42 475 | 29 368 | (D) | 2 815 | *683 | 8 | 8 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 27 | 147 | 3 179 | 9 649 | (D) | 6 061 | 3 507 | (D) | 119 | 18 | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floorwork----- | 34 | 68 | 1 289 | 5 840 | 5 524 | 3 103 | 2 717 | *316 | 44 | 10 | 22 |
| 1761 | Roofing, siding, and sheet metal work ----- | 56 | 606 | 11 620 | (D) | 46 244 | 23 067 | (D) | 1 014 | 672 | 9 | 11 |
| 1771 | Concrete work ----- | 80 | 452 | 10 458 | 39 027 | 36 468 | 21 806 | 14 679 | 2 559 | 329 | 12 | 12 |
| 1781 | Water well drilling ----- | 8 | 94 | (D) | 8 845 | (D) | 6 245 | 2 711 | (D) | 171 | (W) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection ----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1793 | Glass and glazing work ----- | *16 | 95 | 2 096 | 6 883 | (D) | 3 272 | 4 204 | (D) | (D) | 8 | (D) |
| 1794 | Excavation work ----- | 32 | 226 | 6 822 | 28 931 | 25 170 | 14 604 | 10 597 | 3 761 | 2 127 | 27 | 16 |
| 1795 | Wrecking and demolition work ----- | - | - | - | - | - | - | - | - | - | - | - |
| 1796 | Installing building equipment, n.e.c.----- | 1 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 60 | 332 | 7 148 | 29 805 | 23 120 | 17 406 | 6 251 | *6 685 | *593 | 22 | 27 |
| 6552 | Land subdividers and developers, n.e.c. ----- | 19 | 50 | 764 | 3 101 | 2 706 | 2 502 | *341 | *395 | 19 | 18 | 17 |
| | VALLEJO-FAIRFIELD-NAPA, CA PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 885 | 8 386 | 214 024 | 953 759 | 688 456 | 446 985 | 252 200 | 265 303 | 15 418 | 3 | 2 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses ----- | (S) | (S) | (S) | (S) | 4 646 | (S) | 3 136 | (S) | (S) | (S) | (S) |
| 1522 | Other residential buildings ----- | 12 | *60 | 940 | 7 582 | 1 805 | (S) | 2 936 | (S) | 42 | 14 | |
| 1531 | Operative builders ----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | *18 | 93 | 2 553 | 15 238 | (D) | 5 765 | (D) | (D) | *103 | 25 | (D) |
| 1542 | Nonresidential buildings, n.e.c.----- | 39 | 544 | 19 507 | 233 165 | 60 574 | 35 256 | (D) | 172 591 | 397 | 7 | 4 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction ----- | 18 | 225 | 7 374 | 36 317 | 30 092 | 20 726 | 9 820 | 6 225 | 747 | 9 | 2 |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction----- | | | | | | | | | | | |
| 1622 | Water, sewer, and utility lines----- | 25 | 1 011 | 26 164 | 115 326 | 101 062 | 72 558 | 30 024 | 14 264 | 4 538 | 1 | 2 |
| 1623 | Heavy construction, n.e.c.----- | 33 | 629 | 24 001 | 82 410 | 73 414 | 51 456 | 22 432 | 8 997 | 1 780 | 6 | 4 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|-----|-----|
| | | | | | | | | | | B | E | |
| | VALLEJO-FAIRFIELD-NAPA, CA PMSA—Con. | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers—Con. Construction Industries—Con. | | | | | | | | | | | |
| 15,16, 17 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning ----- | 83 | 743 | 19 156 | 62 236 | 59 171 | 37 353 | 22 140 | 3 065 | 956 | 8 | 6 |
| 1721 | Painting and paper hanging----- | 52 | 218 | 5 405 | 15 007 | (D) | 11 122 | 3 411 | (D) | 297 | 17 | (D) |
| 1731 | Electrical work ----- | 82 | 786 | 19 123 | 67 355 | 63 941 | 36 676 | 29 223 | 3 413 | 957 | 9 | 6 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | *15 | 255 | 4 078 | 12 628 | 12 380 | 7 648 | 4 732 | 248 | 155 | 18 | 14 |
| 1742 | Plastering, drywall, and insulation work ----- | 43 | 532 | 14 878 | 37 108 | 33 187 | 23 489 | (D) | 3 921 | 387 | 6 | 5 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 14 | 106 | 3 263 | 8 404 | 8 302 | 5 721 | (D) | 102 | 54 | 1 | 1 |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry ----- | 31 | 467 | 11 797 | 30 791 | 28 777 | 18 179 | (D) | *2 014 | 50 | 12 | 8 |
| 1752 | Floor laying and other floorwork----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1761 | Roofing, siding, and sheet metal work ----- | 43 | 359 | 5 863 | (D) | 25 464 | 15 491 | (D) | *125 | 324 | 23 | 19 |
| 1771 | Concrete work ----- | 59 | 496 | 11 935 | 37 740 | 36 987 | 22 322 | 14 702 | 753 | 1 769 | 9 | 6 |
| 1781 | Water well drilling ----- | 4 | 22 | 466 | 2 293 | (D) | 1 405 | 855 | (D) | (D) | (W) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection ----- | 8 | 206 | (D) | (D) | (D) | (D) | (D) | (D) | 172 | 1 | (D) |
| 1793 | Glass and glazing work ----- | 5 | 23 | 405 | 1 754 | (D) | 943 | 934 | (D) | (D) | 19 | (D) |
| 1794 | Excavation work----- | 19 | 116 | 3 047 | 8 788 | 8 348 | 8 144 | (D) | 440 | 493 | 16 | 17 |
| 1795 | Wrecking and demolition work ----- | - | - | - | - | - | - | - | - | - | - | - |
| 1796 | Installing building equipment, n.e.c.----- | 3 | 10 | (D) | 831 | (D) | (D) | (D) | (D) | (D) | (W) | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 41 | 281 | 6 264 | 20 501 | 18 794 | 12 521 | 6 483 | *1 707 | *852 | 32 | 31 |
| 6552 | Land subdividers and developers, n.e.c. ----- | | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |



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Hawaii

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Hawaii. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 5,796 establishments in this State operating in the construction industries or as land subdivider and developers. These establishments accounted for \$3.2 billion in total value of business done.

Most of the 5,796 construction establishments were small. Of the total, 3,905 were nonemployers, and over half of the employer establishments had less than 5 employees. The 859 construction establishments with 5 employees or more, while representing only 15 percent of all establishments, accounted for more than 84 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$3.0 billion on total dollar value of business done. Of this amount, \$2.8 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$891 million, leaving net value of construction work of \$2.0 billion. In addition, these establishments paid out \$838 million for the cost of materials, fuels, power, rental of equipment and buildings,

and the cost of selected purchased services. Value added for 1987 was \$1.3 billion. (See Introduction and appendices for explanation of terms.)

There were 1,891 establishments with total employment averaging 21,706 during the year. Total payroll for 1987 was \$607 million. Total hours worked by construction workers during the year were 28.2 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 3,905 establishments with no payroll classified as construction or land subdivider and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$271 million. Most of these establishments, about 77 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**

(Percent)

1987 
1982 

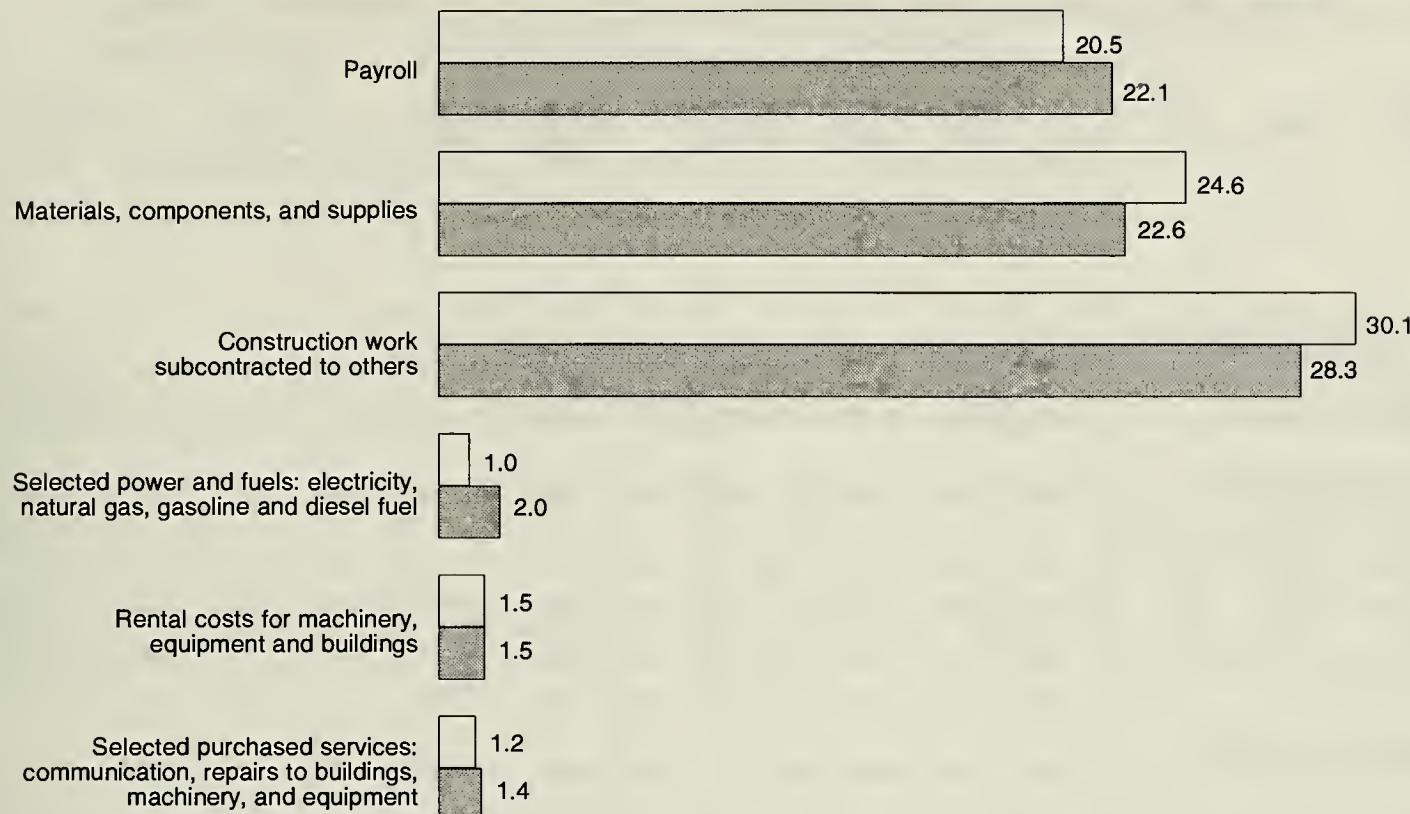


Figure 2. **Value of Construction Work by Type of Construction**

(Percent)

1987 
1982 

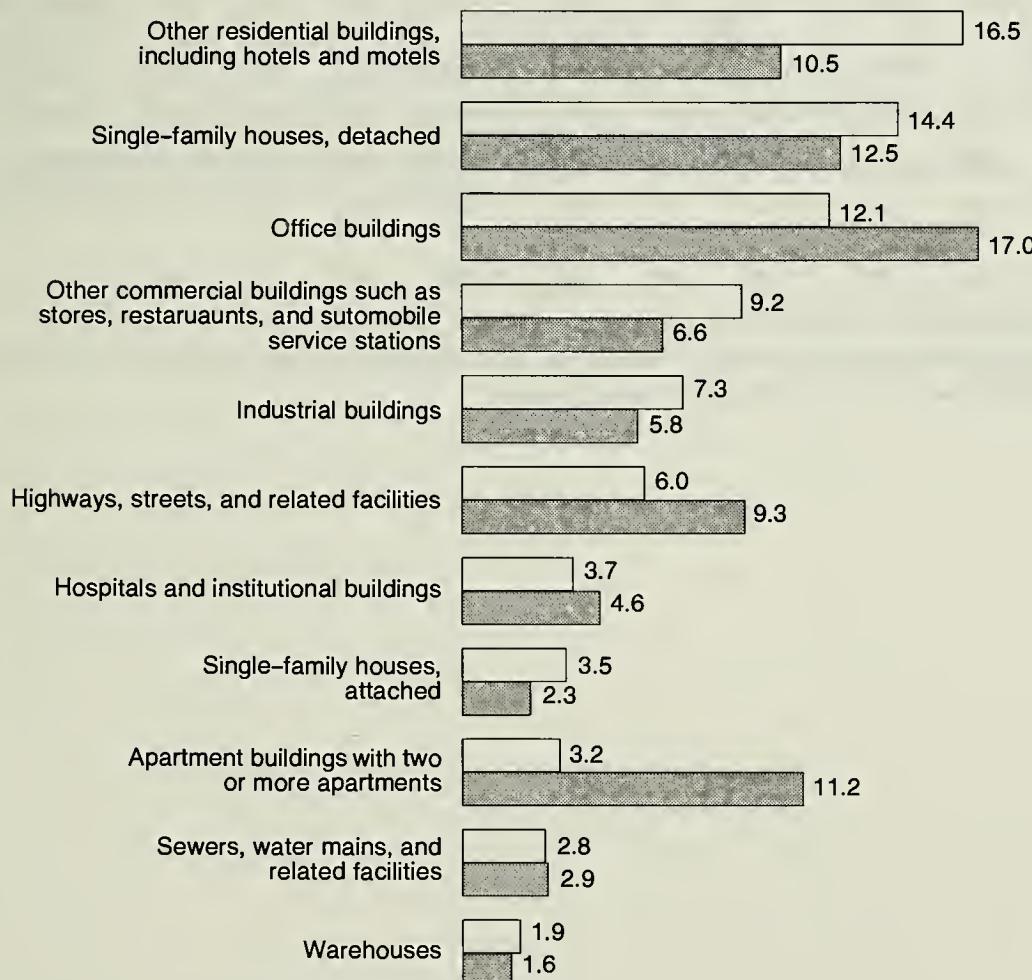


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | All establishments | | | | Establishments without payroll | | | | Establishments with payroll | | | | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|--------------------|--|----------------------|--|--------------------------------|--|--|--------|--|----------------------|---|-----|--|--|--|
| | | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done | Number | Propri- tors and working partners | Dollar value of business done | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done ¹ | J | K | | |
| | | A | B | C | D | E | F | G | H | I | J | K | J | K | | |
| | 1987 | | | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers ----- | 5 796 | 4 310 | 21 706 | 3 233 759 | 3 905 | 3 854 | 270 626 | 1 891 | 456 | 21 706 | 2 963 133 | 1 | 1 | | |
| 15, 16, 17 | Construction Industries ----- | 5 605 | 4 147 | 21 385 | 3 104 309 | 3 761 | 3 693 | 189 281 | 1 844 | 454 | 21 385 | 2 915 028 | 1 | 1 | | |
| 15 | Building construction—General contractors and operative builders ----- | 1 348 | 828 | (D) | (D) | 726 | 686 | 62 889 | 620 | 142 | (D) | (D) | (D) | (D) | | |
| 16 | Heavy construction other than building construction— contractors ----- | 138 | 44 | 2 745 | 402 471 | 27 | 28 | 2 157 | 109 | 16 | 2 745 | 400 314 | 2 | 1 | | |
| 17 | Special trade contractors ----- | 4 123 | 3 275 | (D) | (D) | 3 008 | 2 979 | 124 235 | 1 115 | 296 | (D) | (D) | (D) | (D) | | |
| 1711 | Plumbing, heating, and air-conditioning -- | 455 | 326 | 2 083 | 222 711 | 261 | 259 | 15 652 | 194 | 67 | 2 083 | 207 059 | 3 | 2 | | |
| 1731 | Electrical work----- | 483 | 321 | 1 949 | 215 809 | 262 | 255 | 14 481 | 221 | 66 | 1 949 | 201 328 | 4 | 3 | | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 183 | 161 | 309 | 129 444 | 144 | 161 | 81 345 | 39 | - | 309 | 48 099 | 6 | 3 | | |
| | 1982 | | | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers ----- | 4 259 | 2 799 | 18 665 | 2 032 087 | 2 398 | 2 403 | 178 744 | 1 861 | 396 | 18 665 | 1 853 343 | 1 | 1 | | |
| 15, 16, 17 | Construction Industries ----- | 4 092 | 2 645 | 18 340 | 1 894 873 | 2 289 | 2 259 | 75 784 | 1 803 | 386 | 18 340 | 1 818 889 | 1 | 1 | | |
| 15 | Building construction—General contractors and operative builders ----- | 1 020 | 564 | 6 290 | 944 585 | 461 | 439 | 32 847 | 559 | 125 | 6 290 | 911 738 | 2 | 1 | | |
| 16 | Heavy construction other than building construction— contractors ----- | 133 | 87 | 1 768 | 179 221 | 51 | 50 | 1 679 | 82 | 17 | 1 768 | 177 542 | 3 | 3 | | |
| 17 | Special trade contractors ----- | 2 939 | 2 014 | 10 282 | 770 867 | 1 777 | 1 770 | 41 258 | 1 162 | 244 | 10 282 | 729 609 | 2 | 2 | | |
| 1711 | Plumbing, heating, and air-conditioning -- | 392 | 233 | 2 111 | 146 402 | 209 | 208 | 7 328 | 183 | *25 | 2 111 | 139 074 | 5 | 3 | | |
| 1731 | Electrical work----- | 360 | 216 | 1 297 | 121 525 | 163 | 160 | 5 450 | 197 | 56 | 1 297 | 116 075 | 5 | 3 | | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 162 | 154 | 323 | 137 412 | 109 | 144 | 102 960 | 53 | 10 | 323 | 34 452 | 8 | 4 | | |

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. **Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Receipts size | All establishments | | | | Establishments without payroll ¹ | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | |
|----------------------------------|--------------------|----------------------------------|-----------------|-------------------------------|---|----------------------------------|-------------------------------|-----------------------------|----------------------------------|-----------------|--|------|---|---|
| | Number | Proprietors and working partners | All employees** | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of business done ² | | | |
| | A | B | C | D | E | F | G | H | I | J | K | | J | K |
| 1987 | | | | | | | | | | | | | | |
| The State ----- | 5 796 | 4 310 | 21 706 | 3 233 759 | 3 905 | 3 854 | 270 626 | 1 891 | 456 | 21 706 | 2 963 133 | 1 | 1 | |
| \$10,000,000 or more ----- | 48 | 4 | 7 046 | (D) | 1 | 2 | (D) | 47 | 2 | 7 046 | 1 470 724 | (W) | (W) | |
| \$5,000,000 to \$9,999,999 ----- | 50 | 4 | 2 376 | (D) | 1 | 2 | (D) | 49 | 2 | 2 376 | 335 143 | (W) | (W) | |
| \$2,500,000 to \$4,999,999 ----- | 134 | 19 | 3 331 | 2 291 868 | 9 | 9 | 45 903 | 125 | *10 | 3 331 | 440 098 | 3 | 7 | |
| \$1,000,000 to \$2,499,999 ----- | 224 | 27 | 3 219 | 338 752 | 20 | 18 | 29 754 | 204 | 9 | 3 219 | 308 998 | 5 | 5 | |
| \$500,000 to \$999,999 ----- | 296 | 125 | 2 201 | 216 595 | 51 | 51 | 35 426 | 245 | 74 | 2 201 | 181 169 | 8 | 10 | |
| \$250,000 to \$499,999 ----- | 408 | 191 | 1 552 | 147 933 | 92 | 91 | 31 059 | 316 | 100 | 1 552 | 116 874 | 10 | 10 | |
| \$100,000 to \$249,999 ----- | 920 | 573 | 1 572 | 149 411 | 374 | 365 | 58 293 | 546 | 208 | 1 572 | 91 118 | 10 | 8 | |
| \$50,000 to \$99,999 ----- | (S) | (S) | (S) | (S) | 429 | 430 | 30 962 | (S) | (S) | (S) | (S) | (S) | (S) | |
| \$25,000 to \$49,999 ----- | (S) | (S) | (S) | (S) | 542 | 535 | 19 339 | (S) | (S) | (S) | (S) | (S) | (S) | |
| Less than \$25,000 ----- | (S) | (S) | (S) | (S) | 2 386 | 2 351 | 19 890 | (S) | (S) | (S) | (S) | (S) | (S) | |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 841 | 820 | 13 765 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 533 | 532 | 3 872 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| \$2,000 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 412 | 409 | 1 508 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| Less than \$2,000 ----- | (NA) | (NA) | (NA) | (NA) | 600 | 590 | 745 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| 1982 | | | | | | | | | | | | | | |
| The State ----- | 4 259 | 2 799 | 18 665 | 2 032 087 | 2 398 | 2 403 | 178 744 | 1 861 | 396 | 18 665 | 1 853 343 | 1 | 1 | |
| \$10,000,000 or more ----- | 30 | 6 | 4 370 | (D) | 3 | 6 | 52 520 | 27 | — | 4 370 | (D) | (W) | (D) | |
| \$5,000,000 to \$9,999,999 ----- | 45 | 2 | 3 002 | (D) | 1 | 2 | (D) | 44 | — | 3 002 | 1 033 254 | (W) | (W) | |
| \$2,500,000 to \$4,999,999 ----- | 88 | 19 | 2 647 | (D) | 10 | 17 | 41 564 | 78 | 2 | 2 647 | (D) | (W) | (D) | |
| \$1,000,000 to \$2,499,999 ----- | 156 | 18 | 2 813 | 1 655 536 | 6 | 9 | 9 232 | 150 | 9 | 2 813 | 507 591 | 2 | 2 | |
| \$500,000 to \$999,999 ----- | 184 | 25 | 1 730 | 135 723 | 10 | 11 | 7 452 | 174 | *14 | 1 730 | 128 271 | 8 | 8 | |
| \$250,000 to \$499,999 ----- | 267 | 70 | 1 447 | 93 270 | 30 | 28 | 10 428 | 237 | 42 | 1 447 | 82 842 | 10 | 10 | |
| \$100,000 to \$249,999 ----- | 568 | 211 | 1 563 | 88 375 | 116 | 111 | 17 965 | 452 | 100 | 1 563 | 70 410 | 9 | 8 | |
| \$50,000 to \$9,999 ----- | 519 | 340 | 547 | 37 082 | 225 | 234 | 15 583 | 294 | 106 | 547 | 21 499 | 12 | 10 | |
| \$25,000 to \$4,999 ----- | 509 | 386 | 288 | (D) | 328 | 328 | 11 374 | 181 | 58 | 288 | (D) | 16 | (D) | |
| Less than \$25,000 ----- | 1 892 | 1 722 | 258 | 22 101 | 1 669 | 1 657 | 12 626 | 223 | 65 | 258 | 9 475 | 12 | 11 | |
| \$10,000 to \$24,999 ----- | (NA) | (NA) | (NA) | (NA) | 533 | 533 | 8 542 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| \$5,000 to \$9,999 ----- | (NA) | (NA) | (NA) | (NA) | 386 | 379 | 2 573 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| \$2,000 to \$4,999 ----- | (NA) | (NA) | (NA) | (NA) | 407 | 405 | 1 168 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |
| Less than \$2,500 ----- | (NA) | (NA) | (NA) | (NA) | 343 | 340 | 343 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | |

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | 1987 | | | | | | | | |
|---------------------|--|----------------------------------|-------------|-------------------------|------------------|-------------------------|---|----------------------------------|---------------------------------------|--|
| | | Number of establish- ments | Employees** | | Payroll | | Construction worker hours (thousands) | Value of construction work | Net value of construction work† | |
| | | | All | Construction workers | All employees | Construction workers | | | | |
| | | A | B | C | D | E | F | G | H | |
| | Construction industries and land subdividers and developers | 1 891 | 21 706 | 16 582 | 606 858 | 435 959 | 28 192 | 2 849 780 | 1 958 320 | |
| 15, 16, 17 | Construction industries: | | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | |
| 1521 | Single-family houses | 398 | 1 910 | 1 477 | 38 456 | 27 446 | 2 157 | 273 734 | 174 414 | |
| 1522 | Other residential buildings | 28 | 2 621 | 2 049 | 92 196 | 69 758 | 3 837 | 627 441 | 268 267 | |
| 1531 | Operative builders | *11 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 17 | 373 | 265 | 12 061 | 8 339 | 3 474 | 73 971 | 38 164 | |
| 1542 | Nonresidential buildings, n.e.c. | 166 | 2 825 | 2 073 | 79 906 | 51 053 | 3 421 | 516 841 | 280 089 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | |
| 1611 | Highway and street construction | 39 | 1 110 | 876 | 39 250 | 24 214 | 1 540 | 166 074 | 128 456 | |
| 162 | Heavy construction, except highway: | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | - | - | - | - | - | - | - | - | |
| 1623 | Water, sewer, and utility lines | 24 | 626 | 517 | 17 940 | 14 486 | 971 | 76 797 | 64 902 | |
| 1629 | Heavy construction, n.e.c. | 46 | 1 009 | 766 | 31 879 | 23 306 | 1 307 | 119 633 | 89 856 | |
| 17 | Special trade contractors: | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 194 | 2 083 | 1 519 | 62 276 | 46 725 | 2 923 | 204 342 | 184 522 | |
| 1721 | Painting and paper hanging | 149 | 1 295 | 1 028 | 31 045 | 23 285 | 1 573 | 83 159 | 79 230 | |
| 1731 | Electrical work | 221 | 1 949 | 1 538 | 55 743 | 42 682 | 2 917 | 198 600 | 190 778 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 82 | 581 | 481 | 12 047 | 9 922 | 725 | 40 626 | 39 854 | |
| 1742 | Plastering, drywall, and insulation work | 55 | 797 | 655 | 22 870 | 18 432 | 1 067 | 60 598 | 59 270 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 29 | 311 | 262 | 7 119 | 5 748 | 425 | 27 363 | 25 752 | |
| 175 | Carpentry and floor work: | | | | | | | | | |
| 1751 | Carpentry | 75 | 509 | 436 | 12 617 | 9 871 | 621 | 42 634 | 37 119 | |
| 1752 | Floor laying and other floor work | 39 | 223 | 163 | 5 411 | 3 870 | 265 | 20 414 | 18 873 | |
| 1761 | Roofing, siding, and sheet metal work | 86 | 997 | 774 | 20 441 | 14 146 | 1 130 | 78 178 | 74 268 | |
| 1771 | Concrete work | 17 | 192 | 162 | 4 142 | 3 204 | 266 | 15 599 | 13 413 | |
| 1781 | Water well drilling | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | |
| 1791 | Structural steel erection | *17 | 458 | 382 | 14 435 | 12 306 | 653 | 46 755 | 45 449 | |
| 1793 | Glass and glazing work | 35 | 236 | 150 | 6 054 | 4 063 | 265 | 22 510 | 21 931 | |
| 1794 | Excavation work | 27 | 158 | 122 | 4 548 | 3 209 | 236 | 29 426 | *21 460 | |
| 1795 | Wrecking and demolition work | *6 | 26 | 20 | 583 | 441 | 33 | 2 636 | 2 566 | |
| 1796 | Installing building equipment, n.e.c. | 28 | 331 | 264 | 11 333 | 9 044 | 418 | 35 064 | 34 209 | |
| 1799 | Special trade contractors, n.e.c. | 53 | 639 | 490 | 14 953 | 8 438 | 788 | 43 621 | 40 965 | |
| 6552 | Land subdividers and developers, n.e.c. | 39 | 309 | 73 | 6 061 | 1 343 | 137 | 21 249 | 15 297 | |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

| 1987—Con. | | | | | | 1982 | | | Relative standard error of estimate (percent) for column— | | | 1987 SIC code |
|--|--|--|--|--|---|--|---|---|---|------------------------------|----------------------------------|--|
| Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub-contracted to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees** | Total construction receipts ¹ | Value added†† | B | H | M | |
| I | J | K | L | M | N | O | P | Q | B | H | M | |
| 1 288 730 | 759 038 | 891 460 | 45 349 | 44 550 | 299 204 | 18 665 | 1 785 660 | 855 164 | 1 | 1 | 3 | 15, 16, 17 |
| | | | | | | | | | | | | 15 |
| 114 574 129 294 | 63 758 (D) | 99 319 359 173 | 2 619 2 868 | 2 866 4 439 | 21 556 17 893 | 1 661 1 925 | 131 839 296 046 | 63 087 90 411 | 6 2 | 8 1 | 21 4 | 152 1521 1522 |
| (D) | (D) | (D) | (D) | (S) | (S) | (S) | (S) | (D) | (D) | (D) | (S) | 1531 |
| 28 240 188 830 | 93 672 | 35 807 236 752 | 1 052 4 675 | 790 3 508 | 11 582 31 147 | 337 2 060 | 50 559 348 506 | 19 452 93 189 | 10 5 | 6 3 | 18 11 | 154 1541 1542 |
| | | | | | | | | | | | | 16 |
| 83 007 | (D) | 37 618 | 7 489 | 11 002 | 49 474 | 983 | 107 855 | 51 037 | 2 | 1 | 1 | 1611 |
| 40 167 64 891 | 25 758 (D) | 11 894 29 777 | 5 182 4 013 | — 5 905 | — 38 311 | 464 321 | 36 289 26 894 | 20 886 14 660 | — 3 | — 2 | (D) 4 | 162 1622 1623 1629 |
| | | | | | | | | | | | | 17 |
| 126 024 | 61 214 | 19 820 | 3 839 | 1 478 | 16 512 | 2 111 | 135 656 | 84 487 | 3 | 2 | 20 | 1711 |
| 65 566 | (D) | 3 929 | 1 229 | 2 071 | 12 336 | 918 | 51 621 | 38 371 | 9 | 6 | 23 | 1721 |
| 117 010 | 76 496 | 7 821 | 3 279 | 2 938 | 18 602 | 1 297 | 112 311 | 71 723 | 4 | 3 | 11 | 1731 |
| 28 160 42 422 17 024 | 16 994 (D) | 772 1 328 1 611 | 730 896 404 | 763 794 513 | 4 176 2 919 2 055 | 426 842 184 | 17 277 63 272 10 889 | 11 611 41 282 7 990 | 7 4 11 | 11 4 11 | 14 25 23 | 174 1741 1742 |
| 22 003 10 516 | 15 340 10 159 | 5 515 *1 541 | 363 296 | 402 345 | 2 711 1 589 | 495 163 | 43 207 (D) | 19 738 7 250 | 13 15 | 13 6 | 32 8 | 175 1751 1752 |
| 50 739 | 27 831 | 3 909 | 1 341 | 763 | 5 444 | 945 | 52 644 | 29 940 | 5 | 3 | 16 | 1761 |
| 8 476 | (D) | 2 186 | 317 | 387 | (D) | 611 | 44 094 | 24 969 | 9 | 11 | 13 | 1771 |
| (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | 1781 |
| 35 178 13 149 *19 336 2 413 24 533 29 302 | (D) 12 344 2 437 (D) 10 994 16 443 | 1 306 579 *1 256 70 *855 2 656 | *625 565 *1 398 (D) 284 1 214 | 658 269 1 889 *4 156 1 154 180 892 | 8 725 1 889 303 380 1 068 3 478 4 932 | 675 303 26 159 29 735 927 31 430 412 | 48 793 13 649 19 213 927 25 907 20 484 | 34 071 7 32 52 16 12 697 | 9 7 32 17 16 11 | 7 9 52 23 9 9 | 12 16 53 50 32 19 | 1791 1793 1794 1795 1796 1799 |
| 18 118 | 4 219 | 5 951 | 507 | 176 | 8 539 | 323 | 22 722 | 10 361 | 6 | 4 | (W) | 6552 |

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | 1977 | 1972 | Relative standard error of estimate (percent) | | | |
|---|-----------|-----------|-----------|-----------|---|------|------|------|
| | | | | | 1987 | 1982 | 1977 | 1972 |
| Number of establishments in business during year ----- | 1 891 | 1 861 | 1 732 | 1 570 | 2 | 3 | 4 | 5 |
| Proprietors and working partners ----- | 456 | 396 | 530 | 590 | 9 | 11 | 12 | 11 |
| All employees** ----- | 21 706 | 18 665 | 20 792 | 25 012 | 1 | 1 | 2 | 2 |
| Construction workers: | | | | | | | | |
| March ----- | 16 319 | 14 789 | 15 808 | 19 405 | 2 | 2 | 2 | 2 |
| May ----- | 16 637 | 14 317 | 16 516 | 19 357 | 1 | 2 | 2 | 2 |
| August ----- | 17 091 | 12 977 | 16 798 | 20 527 | 1 | 2 | 2 | 2 |
| November ----- | 16 281 | 12 915 | 13 955 | 20 568 | 1 | 2 | 3 | 2 |
| Average ----- | 16 582 | 13 953 | 15 784 | 20 163 | 1 | 1 | 2 | 2 |
| Other employees: | | | | | | | | |
| March ----- | 4 861 | 4 711 | 5 032 | 4 949 | 2 | 2 | 4 | 2 |
| May ----- | 5 151 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| August ----- | 5 283 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| November ----- | 5 202 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Average ----- | 5 124 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Construction worker hours (thousands): | | | | | | | | |
| January to March ----- | 6 743 | 5 716 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| April to June ----- | 7 156 | 5 716 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| July to September ----- | 7 335 | 5 217 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| October to December ----- | 6 957 | 5 167 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| Total hours worked ----- | 28 192 | 21 817 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| Payroll, all employees ----- | 606 858 | 409 679 | 323 402 | 282 602 | 1 | 1 | 2 | 2 |
| Payroll, construction workers ----- | 435 959 | 297 885 | 240 359 | 222 909 | 1 | 1 | 2 | 2 |
| Payroll, other employees ----- | 170 899 | 111 794 | 83 043 | 59 693 | 1 | 1 | 3 | 2 |
| First quarter payroll, all employees ----- | 135 520 | 101 744 | 78 382 | (NA) | 1 | 1 | 2 | (NA) |
| Employer costs for fringe benefits, all employees ----- | 185 337 | 93 091 | 101 245 | (NA) | 1 | 1 | 1 | (NA) |
| Legally required expenditures ----- | 114 401 | 68 705 | 37 076 | (NA) | 1 | 1 | 2 | (NA) |
| Voluntary expenditures ----- | 70 936 | 24 386 | 64 170 | (NA) | 2 | 1 | 1 | (NA) |
| Dollar value of business done ----- | 2 963 133 | 1 853 343 | 1 435 157 | 1 085 515 | 1 | 1 | 1 | 2 |
| Value of construction work ¹ ----- | 2 849 780 | 1 785 660 | 1 329 495 | 1 014 587 | 1 | 1 | 1 | 2 |
| Value of construction work subcontracted in from others ----- | 612 224 | 425 754 | 303 490 | 195 233 | 3 | 3 | (W) | (W) |
| Land receipts ² ----- | 23 905 | 18 509 | (NA) | (NA) | 4 | 2 | (NA) | (NA) |
| Other business receipts ----- | 89 448 | 49 174 | 105 662 | 70 928 | 3 | 3 | 7 | 3 |
| Net value of construction† ----- | 1 958 320 | 1 261 905 | 962 065 | 718 461 | 1 | 1 | 1 | 2 |
| Value added†† ----- | 1 288 730 | 855 164 | 636 173 | 477 458 | 1 | 1 | 2 | 2 |
| Selected costs ----- | 1 650 498 | 979 670 | 744 283 | 578 749 | 2 | 1 | 1 | 2 |
| Materials, components, and supplies ³ ----- | 728 047 | 418 874 | 361 304 | 282 623 | 1 | 1 | 1 | 2 |
| Construction work subcontracted to others ----- | 891 460 | 523 754 | 367 430 | 296 126 | 2 | 1 | 2 | 1 |
| Selected power, fuels, and lubricants ----- | 30 990 | 37 041 | 15 549 | (NA) | 1 | 1 | 3 | (NA) |
| Electricity ----- | 4 629 | 16 193 | 2 881 | (NA) | 3 | 1 | 5 | (NA) |
| Natural gas ----- | 1 170 | 275 | 436 | (NA) | 2 | 7 | 13 | (NA) |
| Gasoline and diesel fuel ----- | 23 187 | 18 558 | 10 177 | (NA) | 1 | 2 | 3 | (NA) |
| On highway use ----- | 17 354 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Off highway use ----- | 5 832 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Other, including lubricating oils and greases ----- | 2 003 | 2 013 | 2 055 | (NA) | 5 | 3 | 7 | (NA) |
| Rental cost for machinery, equipment, and buildings ----- | 45 349 | 28 527 | 20 603 | (NA) | 3 | 3 | 1 | (NA) |
| For machinery and equipment ----- | 25 169 | 17 135 | 13 861 | 15 826 | 3 | 4 | 1 | 1 |
| For buildings ----- | 20 179 | 11 392 | 6 743 | (NA) | 3 | 4 | 2 | (NA) |
| Selected purchased services ----- | 34 017 | 25 875 | 18 333 | (NA) | 2 | 3 | 3 | (NA) |
| Communication services ----- | 7 431 | 5 072 | 3 855 | (NA) | 4 | 6 | 4 | (NA) |
| Repairs to buildings and other structures ----- | 2 071 | 1 801 | 1 145 | (NA) | 15 | 2 | 8 | (NA) |
| Repairs to machinery and equipment ----- | 24 514 | 19 001 | 13 333 | (NA) | 2 | 3 | 3 | (NA) |
| Ownership of construction projects: | | | | | | | | |
| Value of construction work ----- | 2 849 780 | 1 785 660 | 1 329 495 | 1 014 587 | 1 | 1 | 1 | 2 |
| Government owned ----- | 816 362 | 499 385 | 439 607 | 294 121 | 2 | 2 | 1 | 2 |
| Federal ----- | 295 159 | (NA) | (NA) | (NA) | 4 | (NA) | (NA) | (NA) |
| State and local ----- | 521 203 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Privately owned ----- | 2 033 417 | 1 286 274 | 889 888 | 720 466 | 2 | 1 | 2 | 2 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

³For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) | |
|--|---------|---------|---|------|
| | | | 1987 | 1982 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT | | | | |
| Beginning-of-year gross book value of depreciable assets | 291 868 | 323 562 | 1 | 2 |
| Capital expenditures, other than land | 44 550 | 26 717 | 3 | 2 |
| New | 31 911 | 18 445 | 4 | 2 |
| Used | 12 638 | 8 272 | 3 | 4 |
| Retirements and disposition of depreciable assets | 37 214 | 14 377 | 2 | 22 |
| End-of-year gross book value of depreciable assets | 299 204 | 335 903 | 2 | 1 |
| Depreciation charges during year | 31 934 | 31 011 | 2 | 2 |
| Buildings and Other Structures, Additions, and Related Facilities | | | | |
| Beginning-of-year gross book value of depreciable assets | 74 455 | 89 909 | 4 | 1 |
| Capital expenditures, other than land | 12 659 | 6 347 | 5 | 1 |
| New buildings and other structures | 9 100 | 3 899 | 7 | 1 |
| Used buildings and other structures | 3 559 | 2 448 | 4 | 3 |
| Retirements and disposition of depreciable assets | 4 440 | 2 543 | 14 | 2 |
| End-of-year gross book value of depreciable assets | 82 673 | 93 714 | 3 | 1 |
| Depreciation charges during year | 5 791 | 5 240 | 5 | 2 |
| Machinery and Equipment | | | | |
| Beginning-of-year gross book value of depreciable assets | 217 413 | 233 653 | 2 | 2 |
| Capital expenditures, other than land | 31 890 | 20 370 | 4 | 3 |
| New machinery and equipment, including automobiles and trucks | 22 810 | 14 545 | 5 | 3 |
| New automobiles and trucks, intended primarily for highway use | 10 834 | 5 181 | 7 | 9 |
| Used machinery and equipment, including automobiles and trucks | 9 079 | 5 824 | 4 | 5 |
| Retirements and disposition of depreciable assets | 32 774 | 11 833 | 1 | 27 |
| End-of-year gross book value of depreciable assets | 216 530 | 242 189 | 2 | 2 |
| Depreciation charges during year | 28 143 | 25 770 | 3 | 2 |

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
|-------------------------------------|-----------------------------|---|
| All establishments: | | |
| Number | 1 891 | 2 |
| Value of construction work | 2 849 780 | 1 |
| Establishments with inventories: | | |
| Number | 871 | 5 |
| Value of construction work | 1 732 775 | 2 |
| Inventories ¹ : | | |
| End of 1987, materials and supplies | 32 023 | 14 |
| End of 1986, materials and supplies | 30 569 | 15 |
| Establishments with no inventories: | | |
| Number | 659 | 7 |
| Value of construction work | 679 761 | 4 |
| Establishments not reporting: | | |
| Number | 361 | 11 |
| Value of construction work | 437 244 | 3 |

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of— | | | | | | | | | 1,000 employees or more |
|---|-----------|------------------------------------|------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-----|-------------------------|
| | | 1 to 4 employees | 5 to 9 employees | 10 to 19 employees | 20 to 49 employees | 50 to 99 employees | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | | |
| 1987 | | | | | | | | | | | |
| Number of establishments | 1 891 | 1 032 | 384 | 231 | 172 | 46 | 21 | 1 | 1 | 1 | 1 |
| All employees** | 21 706 | 2 102 | 2 527 | 3 098 | 5 069 | 3 109 | 3 159 | 2 639 | (D) | (D) | (D) |
| Payroll, all employees | 606 858 | 36 014 | 50 593 | 73 880 | 143 475 | 101 716 | 109 073 | 92 106 | (D) | (D) | (D) |
| Construction worker hours (thousands) | 28 192 | 2 318 | 3 014 | 3 903 | 6 406 | 4 280 | 4 421 | 3 848 | (D) | (D) | (D) |
| Dollar value business done | 2 963 133 | 245 173 | 253 736 | 302 914 | 643 578 | 427 058 | 1 090 673 | (D) | (D) | (D) | (D) |
| Value of construction work ¹ | 2 849 780 | 239 493 | 246 876 | 293 530 | 614 757 | 416 506 | 1 038 616 | (D) | (D) | (D) | (D) |
| Net value of construction work† | 1 958 320 | 180 023 | 182 185 | 240 685 | 771 140 | (D) | 329 608 | 254 678 | (D) | (D) | (D) |
| Value added†† | 1 288 730 | 128 108 | 121 071 | 163 523 | 319 449 | 442 116 | (D) | 114 461 | (D) | (D) | (D) |
| Cost of materials, components, supplies, and fuels | 759 038 | 54 969 | 67 227 | 84 140 | 155 972 | 107 587 | 289 141 | (D) | (D) | (D) | (D) |
| Cost of construction work subcontracted to others | 891 460 | 59 470 | 64 691 | 52 844 | 260 123 | (D) | 454 330 | (D) | (D) | (D) | (D) |
| Rental cost for machinery, equipment, and buildings | 45 349 | 3 709 | 4 606 | 6 237 | 8 809 | 4 668 | 14 722 | 2 595 | (D) | (D) | (D) |
| Capital expenditures, other than land | 44 550 | 6 493 | 2 848 | 4 952 | 9 700 | 4 153 | 16 403 | (D) | (D) | (D) | (D) |
| End-of-year gross book value of depreciable assets | 299 204 | 29 283 | 20 384 | 42 990 | 76 877 | 50 559 | 79 110 | (D) | (D) | (D) | (D) |
| 1982 | | | | | | | | | | | |
| All employees** | 18 665 | 2 261 | 2 079 | 2 756 | 3 789 | 3 350 | 4 430 | (D) | — | (D) | (D) |
| Value of construction work ¹ | 1 785 660 | 119 863 | 148 518 | 214 167 | 404 359 | 397 638 | 501 114 | (D) | — | (D) | (D) |
| Value added†† | 855 164 | 60 756 | 88 561 | 114 248 | 223 544 | 158 719 | 209 335 | (D) | — | (D) | (D) |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** | 1 | 6 | 9 | 6 | 3 | (W) | (W) | (W) | (D) | (D) | (D) |
| Net value of construction work† | 1 | 8 | 9 | 5 | 2 | (D) | (W) | (W) | (D) | (D) | (D) |
| Capital expenditures, other than land | 3 | 19 | 15 | 9 | 4 | (W) | (W) | (W) | (D) | (D) | (D) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done— | | | | | | | | | | \$10,000,000 or more |
|---|-----------|--|----------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|----------------------------|----------------------|----------------------|
| | | Less than \$25,000 | \$25,000 to \$49,999 | \$50,000 to \$99,999 | \$100,000 to \$249,999 | \$250,000 to \$499,999 | \$500,000 to \$999,999 | \$1,000,000 to \$2,499,999 | \$2,500,000 to \$4,999,999 | \$5,000,000 to \$9,999,999 | \$10,000,000 or more | |
| 1987 | | | | | | | | | | | | |
| Number of establishments | 1 891 | (S) | (S) | (S) | 546 | 316 | 245 | 204 | 125 | 49 | 47 | |
| All employees** | 21 706 | (S) | (S) | (S) | 1 572 | 1 552 | 2 201 | 3 219 | 3 331 | 2 376 | 7 046 | |
| Payroll, all employees | 606 858 | (S) | (S) | (S) | 23 060 | 28 688 | 45 700 | 80 668 | 100 510 | 76 803 | 247 203 | |
| Construction worker hours (thousands) | 28 192 | (S) | (S) | (S) | 1 939 | 1 829 | 2 565 | 3 899 | 4 597 | 3 029 | 9 900 | |
| Dollar value business done | 2 963 133 | (S) | (S) | (S) | 91 118 | 116 874 | 181 169 | 308 998 | 440 098 | 335 143 | 1 470 724 | |
| Value of construction work ¹ | 2 849 780 | (S) | (S) | (S) | 89 649 | 113 118 | 175 604 | 299 807 | 433 195 | 323 868 | 1 395 878 | |
| Net value of construction work† | 1 958 320 | (S) | (S) | (S) | 80 236 | 96 515 | 149 339 | 251 732 | 582 511 | (D) | 780 715 | |
| Value added†† | 1 288 730 | (S) | (S) | (S) | 53 912 | 64 457 | 97 612 | 173 039 | 237 105 | 164 444 | 486 429 | |
| Cost of materials, components, supplies, and fuels | 759 038 | (S) | (S) | (S) | 27 599 | 34 376 | 57 291 | 85 207 | 100 890 | 447 988 | (D) | |
| Cost of construction work subcontracted to others | 891 460 | (S) | (S) | (S) | 9 413 | 16 602 | 26 265 | 48 075 | 174 551 | (D) | 615 163 | |
| Rental cost for machinery, equipment, and buildings | 45 349 | (S) | (S) | (S) | 1 963 | 2 785 | 3 507 | 6 201 | 6 478 | 3 080 | 21 169 | |
| Capital expenditures, other than land | 44 550 | (S) | (S) | (S) | 3 651 | 2 475 | 3 008 | 5 428 | 7 027 | 4 353 | 18 371 | |
| End-of-year gross book value of depreciable assets | 299 204 | (S) | (S) | (S) | 14 778 | 16 918 | 16 366 | 42 165 | 50 621 | 39 183 | 115 404 | |
| 1982 | | | | | | | | | | | | |
| All employees** | 18 665 | 258 | 288 | 547 | 1 563 | 1 447 | 1 730 | 2 813 | 2 647 | 3 002 | 4 370 | |
| Value of construction work ¹ | 1 785 660 | 2 404 | 6 824 | 20 659 | 68 494 | 80 512 | 124 161 | 224 831 | 262 048 | 310 977 | 684 749 | |
| Value added†† | 855 164 | 1 380 | 4 133 | 10 324 | 38 742 | 47 690 | 73 611 | 127 866 | 137 829 | 157 178 | 256 408 | |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | | |
| All employees** | 1 | (S) | (S) | (S) | 10 | 10 | 8 | 5 | 3 | (W) | (W) | (W) |
| Net value of construction work† | 1 | (S) | (S) | (S) | 8 | 10 | 9 | 5 | 5 | (D) | (W) | (W) |
| Capital expenditures, other than land | 3 | (S) | (S) | (S) | 20 | 23 | 18 | 12 | 9 | 4 | (W) | (W) |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|--|---|------------------|--|------------------------|---|-------------|-------------|-------------|
| | Total | New construction | Additions, alterations, or reconstruction ² | Maintenance and repair | | | | |
| | A | B | C | D | A | B | C | D |
| 1987 | | | | | | | | |
| Value of construction work¹ | 2 849 780 | 1 884 614 | 619 874 | 244 023 | 1 | 2 | 2 | 2 |
| Building construction | 2 271 607 | 1 534 113 | 517 454 | 188 891 | 2 | 2 | 3 | 3 |
| Single-family houses | 511 574 | 386 183 | 83 677 | 41 713 | 5 | 7 | 6 | 8 |
| Single-family houses, detached | 411 668 | 307 567 | 72 439 | 31 661 | 6 | 8 | 7 | 9 |
| Single-family houses, attached | 99 906 | 78 616 | 11 238 | 10 052 | 12 | 15 | 15 | 12 |
| Apartment buildings with two or more apartments | 92 184 | 60 131 | 12 124 | 19 928 | 3 | 2 | 6 | 13 |
| Other residential buildings, including hotels and motels | 470 519 | 341 787 | 102 463 | 26 268 | 1 | 1 | 1 | 4 |
| Hotels and motels | 448 486 | 331 314 | 97 022 | 20 148 | 1 | 1 | 1 | 5 |
| Other residential buildings, excluding hotels and motels | 22 033 | 10 473 | 5 441 | 6 120 | 10 | 17 | 13 | 6 |
| Office buildings | 345 845 | 236 993 | 81 914 | 26 937 | 3 | 3 | 6 | 4 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 262 850 | 139 360 | 99 158 | 24 330 | 3 | 5 | 6 | 9 |
| Industrial buildings and warehouses | 261 403 | 202 957 | 44 087 | 14 358 | 3 | 3 | 9 | 6 |
| Industrial buildings | 208 418 | 159 894 | 37 526 | 10 998 | 3 | 3 | 10 | 7 |
| Warehouses | 52 985 | 43 063 | 6 561 | 3 360 | 7 | 8 | 9 | 9 |
| Religious buildings | 11 213 | 4 840 | 5 190 | 1 182 | 11 | 19 | 16 | 18 |
| Educational buildings | 96 169 | 54 072 | 22 501 | 19 595 | 3 | 4 | 3 | 10 |
| Hospitals and institutional buildings | 106 707 | 50 174 | 48 236 | 8 295 | 3 | 4 | 3 | 15 |
| Amusement, social, and recreational buildings | 22 720 | 15 714 | 3 524 | 3 481 | 2 | 2 | 11 | 6 |
| Other nonresidential buildings | 59 275 | 41 902 | 14 580 | 2 804 | 11 | 2 | 15 | 14 |
| Land development for buildings | 31 148 | (NA) | (NA) | (NA) | 19 | (NA) | (NA) | (NA) |
| Nonbuilding construction | 508 054 | 350 500 | 102 420 | 55 132 | 1 | 1 | 2 | 5 |
| Highways, streets, and related facilities | 171 276 | 123 837 | 29 317 | 18 122 | 1 | 1 | 2 | 3 |
| Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts | 12 128 | 7 281 | (D) | (D) | (W) | (W) | (D) | (D) |
| Bridges, tunnels, and elevated highways | 9 430 | 8 637 | *440 | 352 | 10 | 6 | 68 | 37 |
| Marine construction | 14 791 | 14 151 | 538 | *101 | 7 | 6 | 29 | 71 |
| Sewers, water mains, and related facilities | 81 043 | 62 416 | 13 314 | 5 312 | 3 | 1 | 17 | 9 |
| Sewers, sewer lines, and related facilities | 40 368 | 29 595 | 7 583 | 3 189 | 4 | 2 | 18 | 15 |
| Water mains and related facilities | 40 675 | 32 821 | 5 731 | 2 123 | 2 | 1 | 15 | 1 |
| Pipeline, other than sewer or water lines | 10 972 | 9 527 | (D) | (D) | 9 | 10 | (D) | (D) |
| Blast furnaces, petroleum refineries, and chemical complexes | 7 644 | 1 142 | *132 | 6 369 | 17 | 23 | 74 | 16 |
| Power plants | 4 964 | 1 837 | 1 050 | 2 077 | 5 | 1 | 2 | 12 |
| Sewage treatment and water treatment plants | 22 834 | 20 185 | *1 046 | 1 603 | 3 | (W) | 44 | 21 |
| Earthmoving, nonbuilding | 32 223 | 24 160 | 3 526 | 4 536 | 1 | (W) | (W) | (W) |
| Other nonbuilding construction | 140 749 | 77 327 | 50 325 | 13 102 | 3 | 4 | 1 | 33 |
| Construction work, n.s.k. | 70 118 | (NA) | (NA) | (NA) | 5 | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | |
| Value of construction work¹ | 1 785 660 | 1 518 921 | (NA) | 266 738 | 1 | 1 | (NA) | 3 |
| Building construction | 1 398 867 | 1 205 103 | (NA) | 193 764 | 1 | 1 | (NA) | 2 |
| Single-family houses | 264 946 | 214 585 | (NA) | 50 361 | 4 | 4 | (NA) | 6 |
| Single-family houses, detached | 223 310 | 182 790 | (NA) | 40 520 | 4 | 4 | (NA) | 8 |
| Single-family houses, attached | 41 636 | 31 795 | (NA) | 9 841 | 5 | 6 | (NA) | 7 |
| Apartment buildings with two or more apartments | 200 774 | 183 791 | (NA) | 16 983 | 2 | 2 | (NA) | 8 |
| Other residential buildings, including hotels and motels | 187 748 | 165 084 | (NA) | 22 664 | 1 | 1 | (NA) | 4 |
| Office buildings | 302 599 | 273 855 | (NA) | 28 744 | 1 | 2 | (NA) | 2 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 116 938 | 94 833 | (NA) | 22 104 | 3 | 2 | (NA) | 8 |
| Industrial buildings and warehouses | 132 244 | 110 564 | (NA) | 21 679 | 2 | 2 | (NA) | 5 |
| Industrial buildings | 103 767 | 87 092 | (NA) | 16 675 | 2 | 2 | (NA) | 6 |
| Warehouses | 28 476 | 23 472 | (NA) | 5 003 | 5 | 6 | (NA) | 9 |
| Religious buildings | 10 384 | 9 090 | (NA) | 1 294 | 5 | 6 | (NA) | 8 |
| Educational buildings | 62 876 | 53 568 | (NA) | 9 307 | 2 | 3 | (NA) | 5 |
| Hospitals and institutional buildings | 81 762 | 69 428 | (NA) | 12 333 | 1 | 1 | (NA) | 1 |
| Amusement, social, and recreational buildings | 14 612 | 12 115 | (NA) | 2 496 | 2 | 3 | (NA) | 3 |
| Other nonresidential buildings | 23 979 | 18 184 | (NA) | 5 795 | 11 | 8 | (NA) | 18 |
| Nonbuilding construction | 306 727 | 249 072 | (NA) | 57 655 | 1 | 2 | (NA) | 2 |
| Highways, streets, and related facilities | 166 789 | 128 348 | (NA) | 38 440 | 1 | 2 | (NA) | 2 |
| Power and communication transmission lines, towers, and related facilities | 11 872 | 11 251 | (NA) | 621 | 1 | 1 | (NA) | 1 |
| Sewers, water mains, and related facilities | 51 108 | 41 480 | (NA) | 9 627 | 5 | 6 | (NA) | 7 |
| Sewers, sewer lines, and related facilities | 30 188 | 24 470 | (NA) | 5 717 | 9 | 11 | (NA) | 2 |
| Water mains and related facilities | 20 919 | 17 009 | (NA) | 3 909 | 3 | (W) | (NA) | 18 |
| Pipeline, other than sewer or water lines | 7 547 | 7 076 | (NA) | 471 | (W) | (W) | (NA) | (W) |
| Sewage treatment and water treatment plants | 30 254 | 29 144 | (NA) | 1 109 | (W) | (W) | (NA) | 3 |
| Sewage treatment plants | 28 680 | 27 714 | (NA) | 965 | (W) | (W) | (NA) | (W) |
| Water treatment plants | 1 574 | 1 430 | (NA) | 144 | 2 | (W) | (NA) | 22 |
| Other nonbuilding construction | 39 152 | 31 767 | (NA) | 7 379 | 4 | 4 | (NA) | 12 |
| Construction work, n.s.k. | 80 064 | 64 745 | (NA) | 15 318 | 7 | 7 | (NA) | 9 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establishments | Average number of construction workers | Construction worker hours (thousands) | January to March | | April to June | |
|---------------------|--|-----------------------------|---|---|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| | | | | | Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) |
| | | A | B | C | D | E | F | G |
| | Construction industries and land subdividers and developers ----- | 1 891 | 16 582 | 28 192 | 16 319 | 6 743 | 16 637 | 7 156 |
| 15, 16, 17 | Construction industries: | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | |
| 1521 | Single-family houses ----- | 398 | 1 477 | 2 157 | 1 431 | 526 | 1 430 | 539 |
| 1522 | Other residential buildings ----- | 28 | 2 049 | 3 837 | 2 185 | 1 021 | 2 231 | 1 054 |
| 1531 | Operative builders ----- | *11 | (D) | (D) | (D) | (D) | (D) | (D) |
| 154 | General contractors, nonresidential buildings: | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 17 | 265 | 474 | 267 | 115 | 261 | 115 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 166 | 2 073 | 3 421 | 1 909 | 766 | 2 086 | 888 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | |
| 1611 | Highway and street construction----- | 39 | 876 | 1 540 | 789 | 340 | 879 | 393 |
| 162 | Heavy construction, except highway: | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction ----- | - | - | - | - | - | - | - |
| 1623 | Water, sewer, and utility lines ----- | 24 | 517 | 971 | 459 | 224 | 479 | 224 |
| 1629 | Heavy construction, n.e.c. ----- | 46 | 766 | 1 307 | 712 | 296 | 795 | 334 |
| 17 | Special trade contractors: | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 194 | 1 519 | 2 923 | 1 604 | 740 | 1 527 | 744 |
| 1721 | Painting and paper hanging ----- | 149 | 1 028 | 1 573 | 904 | 320 | 974 | 391 |
| 1731 | Electrical work----- | 221 | 1 538 | 2 917 | 1 667 | 776 | 1 495 | 694 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 82 | 481 | 725 | 455 | 171 | 471 | 193 |
| 1742 | Plastering, drywall, and insulation work----- | 55 | 655 | 1 067 | 624 | 233 | 705 | 273 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 29 | 262 | 425 | 222 | 79 | 232 | 101 |
| 175 | Carpentry and floor work: | | | | | | | |
| 1751 | Carpentry ----- | 75 | 436 | 621 | 464 | 118 | 446 | 138 |
| 1752 | Floor laying and other floor work ----- | 39 | 163 | 265 | 175 | 67 | 158 | 64 |
| 1761 | Roofing, siding, and sheet metal work----- | 86 | 774 | 1 130 | 733 | 247 | 816 | 330 |
| 1771 | Concrete work----- | 17 | 162 | 266 | 171 | 70 | 146 | 61 |
| 1781 | Water well drilling ----- | 2 | (D) | (D) | (D) | (D) | (D) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | |
| 1791 | Structural steel erection ----- | *17 | 382 | 653 | 448 | 197 | 374 | 157 |
| 1793 | Glass and glazing work ----- | 35 | 150 | 265 | 146 | 58 | 143 | 62 |
| 1794 | Excavation work ----- | 27 | 122 | 236 | 90 | *49 | 117 | 50 |
| 1795 | Wrecking and demolition work ----- | *6 | 20 | 33 | 18 | 6 | 17 | 8 |
| 1796 | Installing building equipment, n.e.c. ----- | 28 | 264 | 418 | 250 | 94 | 279 | 108 |
| 1799 | Special trade contractors, n.e.c. ----- | 53 | 490 | 788 | 475 | 176 | 464 | 183 |
| 6552 | Land subdividers and developers, n.e.c. ----- | 39 | 73 | 137 | 75 | 32 | 67 | 31 |

¹Construction workers during pay periods including 12th of March, May, August, and November.

| July to September | | October to December | | Relative standard error of estimate (percent) for column— | | | | | | | | | | | | 1987 SIC code |
|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---------------------|
| Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) | B | C | D | E | F | G | H | I | J | K | | | |
| H | I | J | K | | | | | | | | | | | | | |
| 17 091 | 7 335 | 16 281 | 6 957 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 15, 16, 17 |
| 1 606 | 572 | 1 441 | 519 | 7 | 9 | 7 | 14 | 7 | 10 | 8 | 9 | 8 | 9 | 9 | 15 | 15 |
| 2 038 | 957 | 1 742 | 803 | 2 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 1 | 2 | 2 | 4 | 1521 1522 |
| (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | 1531 154 |
| 2 178 | 266 | 2 117 | 873 | 10 | 14 | 10 | 13 | 10 | 15 | 12 | 18 | 9 | 11 | 6 | 7 | 1541 1542 |
| | 121 | 267 | | 5 | 6 | 4 | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 16 |
| 941 | 425 | 898 | 382 | 2 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 1611 162 1622 |
| 555 | — | 575 | — | 9 | 9 | 8 | 10 | 8 | 9 | 11 | 10 | 10 | 10 | 9 | 9 | 1623 1629 |
| 784 | 264 | 773 | 349 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 7 | 17 |
| 1 497 | 731 | 1 449 | 707 | 3 | 6 | 3 | 5 | 3 | 5 | 3 | 6 | 5 | 6 | 5 | 7 | 1711 |
| 1 135 | 438 | 1 099 | 421 | 8 | 9 | 8 | 9 | 7 | 8 | 8 | 9 | 9 | 10 | 12 | 12 | 1721 |
| 1 512 | 747 | 1 477 | 698 | 4 | 6 | 10 | 12 | 3 | 5 | 4 | 6 | 4 | 6 | 4 | 6 | 1731 174 |
| 499 | 179 | 498 | 182 | 7 | 9 | 8 | 12 | 6 | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 1741 |
| 657 | 281 | 633 | 279 | 5 | 6 | 5 | 4 | 6 | 10 | 5 | 6 | 6 | 6 | 8 | 8 | 1742 |
| 300 | 123 | 293 | 121 | 11 | 12 | 11 | 12 | 14 | 14 | 13 | 11 | 9 | 9 | 12 | 12 | 1743 |
| 415 | 182 | 417 | 182 | 13 | 10 | 24 | 9 | 19 | 7 | 8 | 9 | 12 | 12 | 16 | 175 | |
| 154 | 63 | 165 | 69 | 13 | 6 | 12 | 6 | 14 | 7 | 14 | 6 | 14 | 14 | 8 | 8 | 1751 1752 |
| 781 | 274 | 765 | 278 | 6 | 8 | 9 | 13 | 14 | 21 | 6 | 7 | 6 | 5 | 6 | 5 | 1761 |
| 150 | 66 | 181 | 67 | 10 | 16 | 7 | 14 | 12 | 18 | 12 | 18 | 8 | 16 | 16 | 1771 | |
| (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | 1781 |
| 372 | 151 | 335 | 146 | 6 | 7 | 6 | 7 | 7 | 8 | 6 | 7 | 7 | 7 | 7 | 7 | 179 |
| 153 | 72 | 160 | 72 | 7 | 8 | 7 | 9 | 7 | 10 | 6 | 8 | 7 | 7 | 7 | 7 | 1793 |
| 158 | *73 | 126 | 62 | 30 | 38 | 33 | 42 | 26 | 33 | 35 | 42 | 27 | 36 | 36 | 36 | 1794 |
| 28 | 10 | 20 | 8 | 18 | 17 | 28 | 21 | 15 | 21 | 18 | 18 | 13 | 10 | 10 | 10 | 1795 |
| 272 | 111 | 257 | 103 | 17 | 8 | 18 | 7 | 17 | 9 | 18 | 9 | 16 | 11 | 9 | 9 | 1796 |
| 531 | 222 | 488 | 206 | 11 | 16 | 11 | 16 | 10 | 16 | 10 | 17 | 11 | 18 | 18 | 19 | 1799 |
| 75 | 37 | 77 | 35 | 8 | 14 | 6 | 10 | 7 | 12 | 10 | 20 | 13 | 19 | 19 | 19 | 6552 |

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

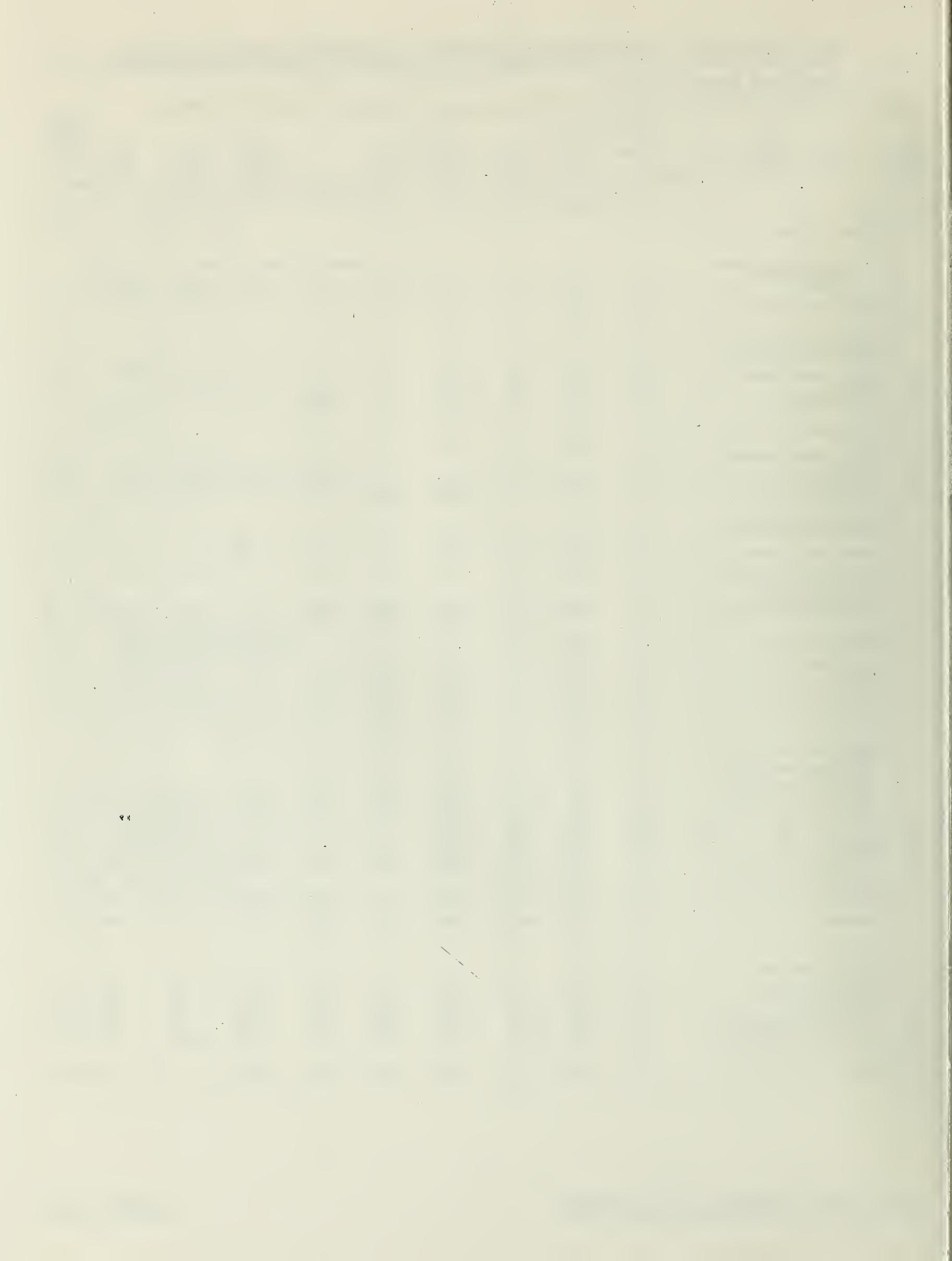
[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Average number of employees** per estab- lishment | Payroll per employee (\$1,000) | Construction worker hours per construction worker | Value of construction work per construction worker (\$1,000) | Average per dollar of value of construction work | | | |
|---------------------|--|--|---|---|---|--|--|---|---|
| | | | | | | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Rental cost for machinery, equipment, and buildings |
| | Construction Industries and land subdividers and developers | 11.5 | 28.0 | 1 700.2 | 171.9 | .213 | .266 | .313 | .016 |
| 15, 16, 17 | Construction Industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | 4.8 | 20.1 | 1 460.4 | 185.3 | .140 | .233 | .363 | .010 |
| 1522 | Other residential buildings | 93.6 | 35.2 | 1 872.6 | 306.2 | .147 | (D) | .572 | .005 |
| 1531 | Operative builders | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 21.9 | 32.3 | 1 788.7 | 279.1 | .163 | (D) | .484 | .014 |
| 1542 | Nonresidential buildings, n.e.c. | 17.0 | 28.3 | 1 650.3 | 249.3 | .155 | .181 | .458 | .009 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 28.5 | 35.4 | 1 758.0 | 189.6 | .236 | (D) | .227 | .045 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | — | — | — | — | — | — | — | — |
| 1623 | Water, sewer, and utility lines | 26.1 | 28.7 | 1 878.1 | 148.5 | .234 | .335 | .155 | .067 |
| 1629 | Heavy construction, n.e.c. | 21.9 | 31.6 | 1 706.3 | 156.2 | .266 | (D) | .249 | .034 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 10.7 | 29.9 | 1 924.3 | 134.5 | .305 | .300 | .097 | .019 |
| 1721 | Painting and paper hanging | 8.7 | 24.0 | 1 530.2 | 80.9 | .373 | (D) | .047 | .015 |
| 1731 | Electrical work | 8.8 | 28.6 | 1 896.6 | 129.1 | .281 | .385 | .039 | .017 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 7.1 | 20.7 | 1 507.3 | 84.5 | .297 | (D) | .019 | .018 |
| 1742 | Plastering, drywall, and insulation work | 14.5 | 28.7 | 1 629.0 | 92.5 | .377 | .280 | .022 | .015 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 10.7 | 22.9 | 1 622.1 | 104.4 | .260 | (D) | .059 | .015 |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 6.8 | 24.8 | 1 424.3 | 97.8 | .296 | .360 | .129 | .009 |
| 1752 | Floor laying and other floor work | 5.7 | 24.3 | 1 625.8 | 125.2 | .265 | .498 | *.075 | .014 |
| 1761 | Roofing, siding, and sheet metal work | 11.6 | 20.5 | 1 459.9 | 101.0 | .261 | .356 | .050 | .017 |
| 1771 | Concrete work | 11.3 | 21.6 | 1 642.0 | 96.3 | .266 | (D) | .140 | .020 |
| 1781 | Water well drilling | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | *26.9 | 31.5 | 1 709.4 | 122.4 | .309 | (D) | .028 | *.013 |
| 1793 | Glass and glazing work | 6.7 | 25.7 | 1 766.7 | 150.1 | .269 | .548 | .026 | .025 |
| 1794 | Excavation work | 5.9 | 28.8 | 1 934.4 | 241.2 | .155 | .083 | (S) | *.043 |
| 1795 | Wrecking and demolition work | *4.3 | 22.4 | 1 650.0 | 131.8 | .221 | (D) | .027 | (D) |
| 1796 | Installing building equipment, n.e.c. | 11.8 | 34.2 | 1 583.3 | 132.8 | .323 | .314 | *.024 | .008 |
| 1799 | Special trade contractors, n.e.c. | 12.1 | 23.4 | 1 608.2 | 89.0 | .343 | .377 | .061 | .028 |
| 6552 | Land subdividers and developers, n.e.c. | 7.9 | 19.6 | 1 876.7 | 291.1 | .285 | .199 | .280 | .024 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establis- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|---------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | A | B | C | D | E | F | G | H | B | E |
| | HONOLULU, HI MSA | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers----- | 1 284 | 17 851 | 525 156 | 2 441 626 | 1 647 931 | 1 082 858 | 635 334 | 793 694 | 36 148 | 1 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| 152 | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 1521 | General contractors, residential buildings: | 211 | 1 253 | 27 742 | 184 725 | (D) | 80 752 | (D) | 67 285 | 1 740 | 8 | (D) |
| 1522 | Single-family houses----- | *18 | 2 354 | 86 000 | 596 663 | 247 681 | 115 106 | (D) | 348 982 | (D) | 2 | 1 |
| 1531 | Operative builders ----- | *10 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 13 | 327 | 10 466 | 63 339 | 228 (D) | 152 336 | 77 (D) | 201 (D) | (D) | 12 | (D) |
| 1542 | Nonresidential buildings, n.e.c. ----- | 131 | 2 224 | 65 234 | 430 328 | 573 | 243 | 77 243 | 201 755 | 2 515 | 5 | 3 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction ----- | 19 | 880 | 32 858 | 140 986 | (D) | 69 316 | (D) | (D) | 10 151 | 3 | (D) |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction----- | — | — | — | — | — | — | — | — | — | — | — |
| 1623 | Water, sewer, and utility lines ----- | 18 | 566 | 16 435 | 70 264 | 59 597 | 36 986 | (D) | 10 667 | (D) | 9 | 5 |
| 1629 | Heavy construction, n.e.c. ----- | 21 | 869 | 28 840 | 106 139 | 77 712 | 57 206 | (D) | 28 428 | 4 859 | 3 | 2 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 141 | 1 791 | 55 458 | 176 992 | 158 484 | 110 318 | 50 251 | 18 508 | 1 045 | 4 | 2 |
| 1721 | Painting and paper hanging----- | 110 | 1 097 | 27 874 | 74 755 | 70 894 | 58 897 | (D) | 3 860 | (D) | 8 | 6 |
| 1731 | Electrical work ----- | 153 | 1 609 | 47 109 | 163 001 | 156 836 | 96 023 | 63 541 | 6 164 | 2 282 | 5 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 59 | 479 | 10 696 | 35 124 | (D) | 24 795 | (D) | (D) | (D) | 8 | (D) |
| 1742 | Plastering, drywall, and insulation work----- | 42 | 691 | 20 942 | 54 446 | 53 442 | 38 426 | 15 164 | 1 004 | 644 | 4 | 4 |
| 1743 | Terrazzo, tile, marble, and mosaic work----- | 25 | 285 | 6 517 | 25 559 | (D) | (D) | (D) | (D) | (D) | 12 | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | 51 | 458 | 11 709 | 38 230 | 33 794 | 19 823 | (D) | 4 436 | 234 | 15 | 14 |
| 1752 | Floor laying and other floorwork----- | 27 | 198 | 5 179 | 19 120 | (D) | 9 441 | 9 946 | (D) | 214 | 17 | (D) |
| 1761 | Roofing, siding, and sheet metal work----- | 70 | 745 | 15 874 | 60 421 | (D) | 37 816 | 20 038 | (D) | 446 | 7 | (D) |
| 1771 | Concrete work ----- | 13 | 143 | 3 592 | 13 235 | (D) | 7 408 | (D) | (D) | 285 | 12 | (D) |
| 1781 | Water well drilling ----- | 2 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection----- | *17 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1793 | Glass and glazing work----- | 18 | 164 | 4 323 | 15 287 | (D) | 9 588 | 8 738 | (D) | 224 | 3 | (D) |
| 1794 | Excavation work----- | *10 | *74 | *2 482 | *23 656 | *16 026 | *15 294 | *769 | (S) | *849 | 61 | 70 |
| 1795 | Wrecking and demolition work----- | *6 | (D) | (D) | (D) | 2 566 | (D) | (D) | (D) | (D) | 23 | (D) |
| 1796 | Installing building equipment, n.e.c.----- | 25 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 47 | 586 | 13 931 | 40 303 | 37 771 | 26 933 | 14 871 | 2 532 | 747 | 12 | 10 |
| 6552 | Land subdividers and developers, n.e.c.----- | 28 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |



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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Oregon. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 21,898 establishments in this State operating in the construction industries or as land subdivider and developers. These establishments accounted for \$4.6 billion in total value of business done.

Most of the 21,898 construction establishments were small. Of the total, 15,429 were nonemployers, and over half of the employer establishments had less than 5 employees. The 2,115 construction establishments with 5 employees or more, while representing only 10 percent of all establishments, accounted for more than 66 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$3.8 billion on total dollar value of business done. Of this amount, \$3.7 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$916 million, leaving net value of construction work of \$2.8 billion. In addition, these establishments paid out \$1.3 billion for the cost of materials, fuels, power, rental of equipment and buildings,

and the cost of selected purchased services. Value added for 1987 was \$1.7 billion. (See Introduction and appendices for explanation of terms.)

There were 6,469 establishments with total employment averaging 38,504 during the year. Total payroll for 1987 was \$786 million. Total hours worked by construction workers during the year were 44.6 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 15,429 establishments with no payroll classified as construction or land subdivider and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$764 million. Most of these establishments, about 68 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. **Selected Costs Per Dollar Value of Business Done**
(Percent)

1987 
1982 

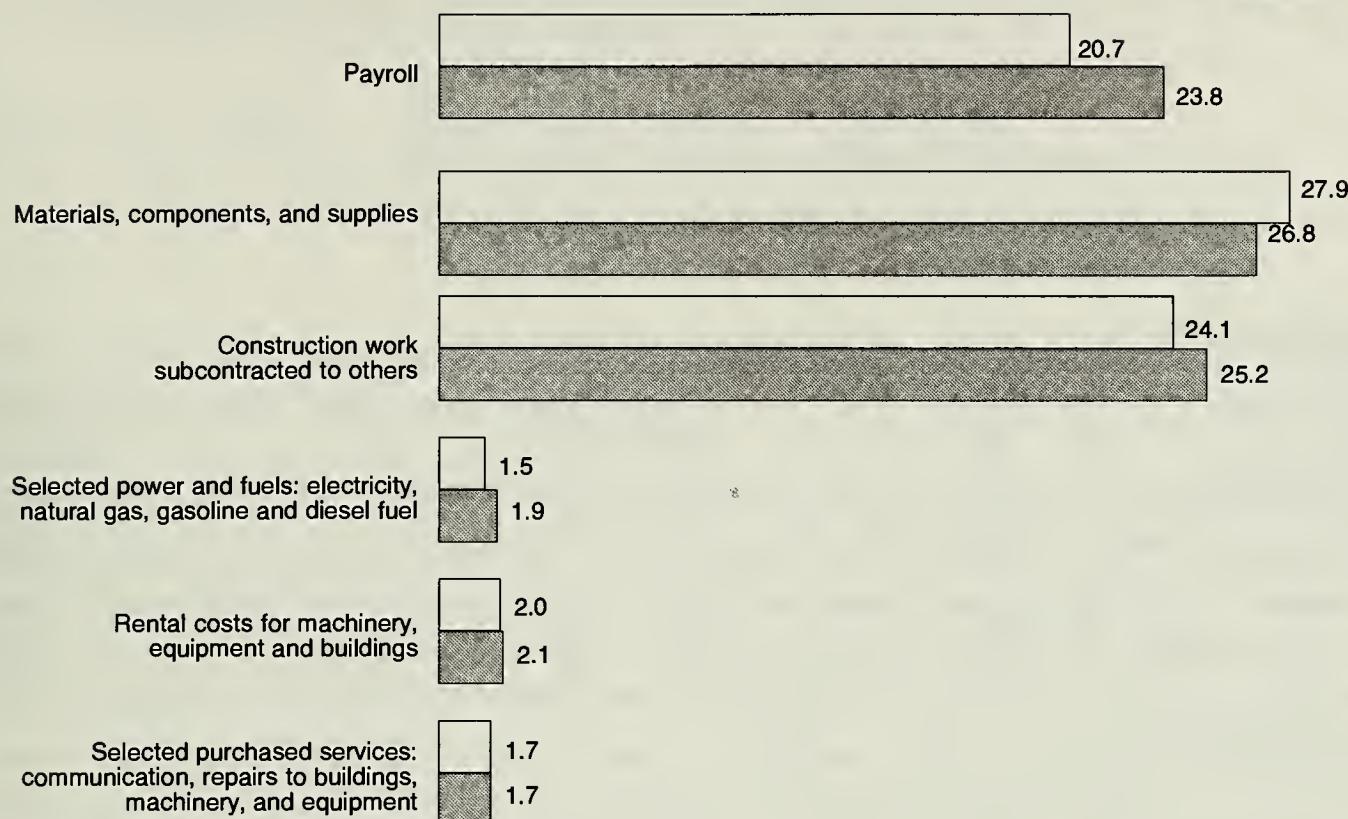


Figure 2. **Value of Construction Work by Type of Construction**
(Percent)

1987 
1982 

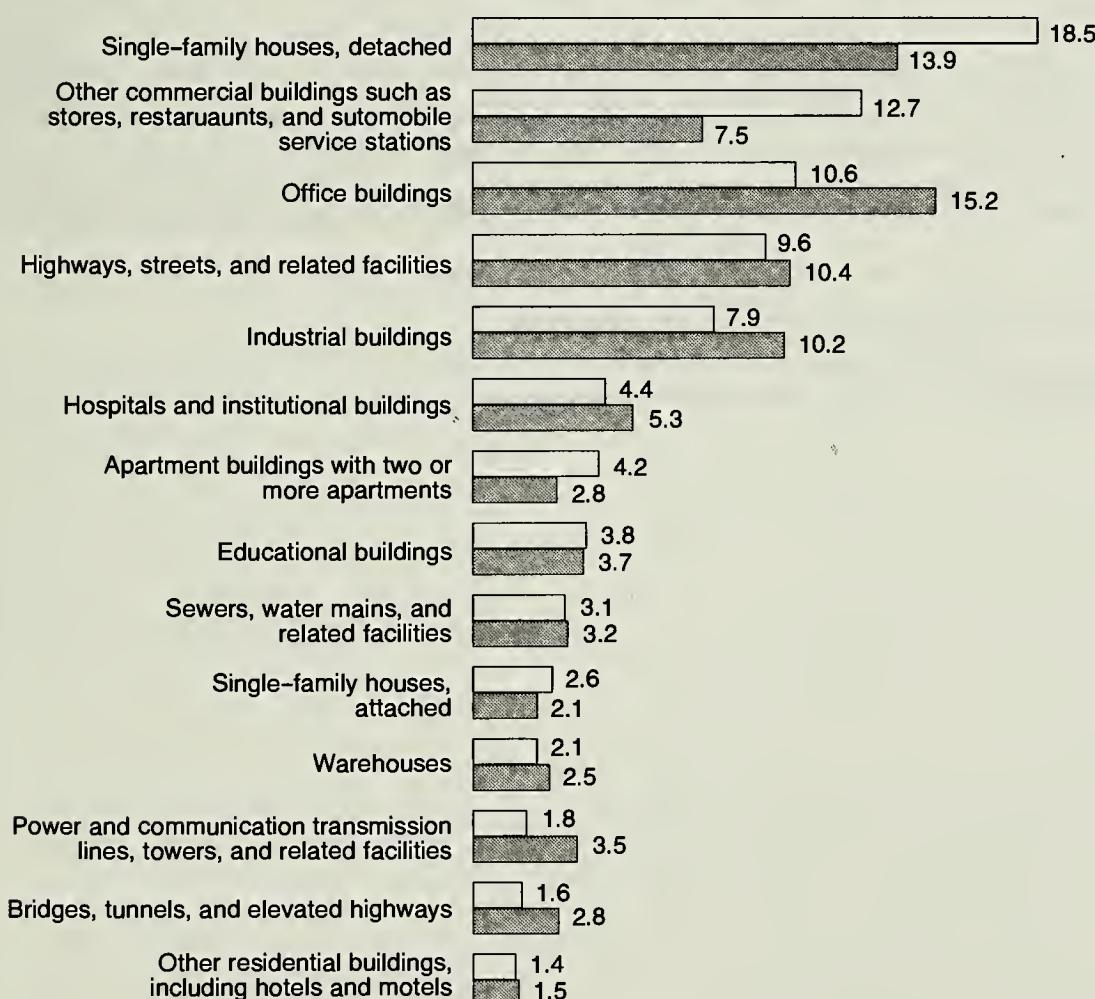


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | All establishments | | | | Establishments without payroll | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | |
|---------------------|--|--------------------|--|----------------------|--|--------------------------------|--|--|-----------------------------|--|----------------------|---|----|---|---|
| | | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done | Number | Propri- tors and working partners | Dollar value of business done | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done ¹ | K | J | K |
| | | A | B | C | D | E | F | G | H | I | J | K | J | K | |
| | 1987 | | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers ----- | 21 898 | 16 901 | 38 504 | 4 564 219 | 15 429 | 15 285 | 764 384 | 6 469 | 1 616 | 38 504 | 3 799 835 | 1 | 1 | |
| 15, 16, 17 | Construction Industries ----- | 21 470 | 16 541 | 38 285 | 4 430 332 | 15 095 | 14 955 | 676 866 | 6 375 | 1 586 | 38 285 | 3 753 466 | 1 | 1 | |
| 15 | Building construction—General contractors and operative builders ----- | 6 274 | 4 480 | 9 189 | 1 702 532 | 4 284 | 4 082 | 293 914 | 1 990 | 398 | 9 189 | 1 408 618 | 4 | 3 | |
| 16 | Heavy construction other than building construction— contractors ----- | 869 | 449 | 5 625 | 753 989 | 338 | 332 | 55 581 | 531 | 117 | 5 625 | 698 408 | 3 | 3 | |
| 17 | Special trade contractors ----- | 14 327 | 11 612 | 23 471 | 1 973 811 | 10 473 | 10 541 | 327 371 | 3 854 | 1 071 | 23 471 | 1 646 440 | 2 | 2 | |
| 1711 | Plumbing, heating, and air-conditioning -- | 1 233 | 799 | 4 632 | 413 885 | 601 | 604 | 31 059 | 632 | 195 | 4 632 | 382 826 | 3 | 3 | |
| 1731 | Electrical work----- | 1 108 | 718 | 4 214 | 336 013 | 594 | 594 | 20 640 | 514 | 124 | 4 214 | 315 373 | 5 | 3 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 417 | 355 | 206 | 133 876 | 334 | 330 | 87 518 | 83 | 25 | 206 | 46 358 | 29 | 17 | |
| | 1992 | | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers ----- | 20 920 | 17 227 | 35 551 | 3 268 321 | 14 845 | 15 055 | 440 632 | 6 075 | 2 172 | 35 551 | 2 827 689 | 2 | 1 | |
| 15, 16, 17 | Construction Industries ----- | 20 580 | 16 972 | 35 349 | 3 230 573 | 14 597 | 14 811 | 418 026 | 5 983 | 2 161 | 35 349 | 2 812 547 | 2 | 1 | |
| 15 | Building construction—General contractors and operative builders ----- | 6 358 | 5 119 | 8 997 | 1 257 280 | 4 410 | 4 449 | 177 153 | 1 948 | 670 | 8 997 | 1 080 127 | 3 | 2 | |
| 16 | Heavy construction other than building construction— contractors ----- | 1 306 | 934 | 6 078 | 563 024 | 760 | 767 | 36 208 | 546 | 167 | 6 078 | 526 816 | 3 | 3 | |
| 17 | Special trade contractors ----- | 12 916 | 10 919 | 20 274 | 1 410 269 | 9 427 | 9 595 | 204 665 | 3 489 | 1 324 | 20 274 | 1 205 604 | 2 | 2 | |
| 1711 | Plumbing, heating, and air-conditioning -- | 1 256 | 806 | 3 794 | 292 039 | 620 | 625 | 27 595 | 636 | 181 | 3 794 | 264 444 | 4 | 2 | |
| 1731 | Electrical work----- | 952 | 607 | 3 167 | 241 509 | 481 | 487 | 14 510 | 471 | 120 | 3 167 | 226 999 | 4 | 3 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 334 | 253 | 196 | 37 741 | 248 | 244 | 22 606 | 86 | *9 | 196 | 15 135 | 15 | 25 | |

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Receipts size | All establishments | | | | Establishments without payroll ¹ | | | Establishments with payroll | | | | Relative standard error of estimate (percent) for column— | |
|----------------------------|--------------------|----------------------------------|-----------------|-------------------------------|---|----------------------------------|-------------------------------|-----------------------------|----------------------------------|-----------------|--|---|------|
| | Number | Proprietors and working partners | All employees** | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees** | Dollar value of business done ² | | |
| | A | B | C | D | E | F | G | H | I | J | K | J | K |
| 1987 | | | | | | | | | | | | | |
| The State | 21 898 | 16 901 | 38 504 | 4 584 219 | 15 429 | 15 285 | 764 384 | 6 469 | 1 616 | 38 504 | 3 799 835 | 1 | 1 |
| \$10,000,000 or more | 39 | 6 | 3 290 | 772 991 | 3 | 6 | 48 285 | 36 | — | 3 290 | 724 706 | (W) | (W) |
| \$5,000,000 to \$9,999,999 | 82 | 4 | 3 961 | (D) | 2 | 2 | (D) | 80 | 2 | 3 961 | 562 177 | (W) | (W) |
| \$2,500,000 to \$4,999,999 | 151 | 20 | 3 991 | 1 089 357 | 4 | 1 | 28 231 | 147 | *19 | 3 991 | 498 949 | 4 | 7 |
| \$1,000,000 to \$2,499,999 | 570 | 96 | 7 299 | 854 262 | 47 | 40 | 70 645 | 523 | 56 | 7 299 | 783 617 | 3 | 5 |
| \$500,000 to \$999,999 | 710 | 193 | 5 096 | 506 258 | 123 | 111 | 83 908 | 587 | 82 | 5 096 | 422 350 | 7 | 7 |
| \$250,000 to \$499,999 | 1 277 | 436 | 5 510 | 457 724 | 271 | 243 | 94 071 | 1 006 | 193 | 5 510 | 363 653 | 7 | 6 |
| \$100,000 to \$249,999 | 3 132 | 1 741 | 6 261 | 491 002 | 1 033 | 1 038 | 153 264 | 2 099 | 703 | 6 261 | 337 738 | 5 | 4 |
| \$50,000 to \$99,999 | (S) | (S) | (S) | (S) | 1 709 | 1 707 | 119 814 | (S) | (S) | (S) | (S) | (S) | (S) |
| \$25,000 to \$49,999 | (S) | (S) | (S) | (S) | 2 460 | 2 467 | 86 957 | (S) | (S) | (S) | (S) | (S) | (S) |
| Less than \$25,000 | (S) | (S) | (S) | (S) | 9 777 | 9 670 | 79 210 | (S) | (S) | (S) | (S) | (S) | (S) |
| \$10,000 to \$24,999 | (NA) | (NA) | (NA) | (NA) | 3 312 | 3 274 | 54 638 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 | (NA) | (NA) | (NA) | (NA) | 2 075 | 2 054 | 15 168 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,000 to \$4,999 | (NA) | (NA) | (NA) | (NA) | 1 652 | 1 639 | 6 048 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,000 | (NA) | (NA) | (NA) | (NA) | 2 738 | 2 703 | 3 357 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | | | | | | |
| The State | 20 920 | 17 227 | 35 551 | 3 268 321 | 14 845 | 15 055 | 440 632 | 6 075 | 2 172 | 35 551 | 2 827 689 | 2 | 1 |
| \$10,000,000 or more | 31 | — | 5 150 | (D) | — | — | — | 31 | — | 5 150 | (D) | (W) | (D) |
| \$5,000,000 to \$9,999,999 | 50 | 3 | 2 998 | (D) | 2 | 2 | (D) | 48 | 1 | 2 998 | 1 069 215 | (W) | (W) |
| \$2,500,000 to \$4,999,999 | 109 | 8 | 3 593 | (D) | 2 | 1 | (D) | 107 | 7 | 3 593 | 367 976 | (W) | (W) |
| \$1,000,000 to \$2,499,999 | 333 | 35 | 5 261 | 1 963 012 | 10 | 11 | 31 405 | 323 | 24 | 5 261 | 494 416 | 4 | 5 |
| \$500,000 to \$999,999 | 467 | 91 | 4 453 | 327 000 | 35 | 27 | 23 576 | 432 | 64 | 4 453 | 303 424 | 6 | 6 |
| \$250,000 to \$499,999 | 911 | 362 | 4 857 | 319 196 | 138 | 136 | 47 454 | 773 | 226 | 4 857 | 271 742 | 7 | 5 |
| \$100,000 to \$249,999 | 1 970 | 1 157 | 4 498 | 304 711 | 651 | 681 | 96 627 | 1 319 | 476 | 4 498 | 208 084 | 5 | 5 |
| \$50,000 to \$99,999 | 2 331 | 1 836 | 2 161 | 162 266 | 1 306 | 1 397 | 88 645 | 1 025 | 439 | 2 161 | 73 621 | 7 | 6 |
| \$25,000 to \$49,999 | 2 753 | 2 420 | 1 063 | 96 094 | 2 077 | 2 133 | 71 905 | 676 | 287 | 1 063 | 24 189 | 8 | 7 |
| Less than \$25,000 | 11 962 | 11 314 | 1 515 | 96 040 | 10 624 | 10 667 | 81 020 | 1 338 | 647 | 1 515 | 15 020 | 5 | 6 |
| \$10,000 to \$24,999 | (NA) | (NA) | (NA) | (NA) | 3 466 | 3 505 | 54 712 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 | (NA) | (NA) | (NA) | (NA) | 2 468 | 2 493 | 16 674 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,500 to \$4,999 | (NA) | (NA) | (NA) | (NA) | 2 627 | 2 625 | 7 571 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,500 | (NA) | (NA) | (NA) | (NA) | 2 063 | 2 044 | 2 063 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establish- ments | 1987 | | | | | | | |
|---------------------|--|----------------------------------|-------------|-------------------------|------------------|-------------------------|---|----------------------------------|---------------------------------------|--|
| | | | Employees** | | Payroll | | Construction worker hours (thousands) | Value of construction work | Net value of construction work† | |
| | | | All | Construction workers | All employees | Construction workers | | | | |
| | | A | B | C | D | E | F | G | H | |
| | Construction Industries and land subdivider and developers | 6 469 | 38 504 | 29 685 | 786 241 | 573 291 | 44 590 | 3 675 649 | 2 759 695 | |
| 15, 16, 17 | Construction Industries: | | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | |
| 1521 | Single-family houses | 1 234 | 3 673 | 2 636 | 47 715 | 31 787 | 3 324 | 329 129 | 225 695 | |
| 1522 | Other residential buildings | 120 | 837 | 653 | 13 202 | 8 560 | 664 | 96 020 | 45 819 | |
| 1531 | Operative builders | 156 | 397 | 143 | 9 396 | (D) | 234 | 126 024 | 69 836 | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 84 | 1 068 | 814 | 24 392 | 15 437 | 1 193 | 129 056 | 87 069 | |
| 1542 | Nonresidential buildings, n.e.c. | 396 | 3 214 | 2 242 | 80 706 | 51 954 | 3 727 | 683 032 | 268 254 | |
| 16 | Heavy construction other than building construction— contractors: | | | | | | | | | |
| 1611 | Highway and street construction | 213 | 2 775 | 2 242 | 73 305 | 55 384 | 3 588 | 352 965 | 289 071 | |
| 162 | Heavy construction, except highway: | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 17 | 421 | 305 | 12 201 | 9 134 | 469 | 55 915 | 42 041 | |
| 1623 | Water, sewer, and utility lines | 119 | 1 458 | 1 189 | 32 503 | 24 276 | 1 864 | 126 868 | 105 140 | |
| 1629 | Heavy construction, n.e.c. | 182 | 971 | 721 | 22 667 | 16 661 | 1 039 | 136 822 | 105 522 | |
| 17 | Special trade contractors: | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 632 | 4 632 | 3 374 | 108 437 | 77 986 | 5 450 | 377 566 | 338 380 | |
| 1721 | Painting and paper hanging | 410 | 1 620 | 1 411 | 23 563 | 20 266 | 2 059 | 71 186 | 69 511 | |
| 1731 | Electrical work | 514 | 4 214 | 3 214 | 99 516 | 74 867 | 5 065 | 301 654 | 290 251 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 169 | 663 | 596 | 11 758 | 9 642 | 882 | 40 335 | 38 874 | |
| 1742 | Plastering, drywall, and insulation work | 280 | 2 032 | 1 752 | 34 425 | 27 580 | 2 524 | 102 970 | 98 265 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 46 | (S) | (S) | 9 526 | (D) | (S) | (S) | (D) | |
| 175 | Carpentry and floor work: | | | | | | | | | |
| 1751 | Carpentry | 338 | 1 206 | 984 | 16 639 | 13 410 | 1 427 | 59 322 | 54 174 | |
| 1752 | Floor laying and other floor work | 139 | 594 | 462 | 10 892 | 8 161 | 656 | 53 709 | 45 165 | |
| 1761 | Roofing, siding, and sheet metal work | 354 | 2 700 | 2 124 | 40 571 | 29 377 | 2 877 | 153 110 | 146 405 | |
| 1771 | Concrete work | 274 | 1 508 | 1 277 | 24 210 | 20 344 | 1 782 | 86 577 | 80 606 | |
| 1781 | Water well drilling | 53 | 169 | 114 | 2 960 | 1 986 | 162 | 12 179 | 12 039 | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | |
| 1791 | Structural steel erection | 31 | 524 | 460 | 12 891 | 11 381 | 776 | 55 572 | (D) | |
| 1793 | Glass and glazing work | 56 | 425 | 308 | 9 251 | 6 931 | 521 | 52 964 | 52 716 | |
| 1794 | Excavation work | 174 | 672 | 550 | 14 459 | 11 276 | 960 | 61 790 | 58 817 | |
| 1795 | Wrecking and demolition work | 20 | 89 | 72 | 1 742 | 1 398 | 111 | 7 116 | 6 371 | |
| 1796 | Installing building equipment, n.e.c. | 65 | 829 | 710 | 24 860 | 19 138 | 1 356 | 62 380 | 58 835 | |
| 1799 | Special trade contractors, n.e.c. | 299 | 1 270 | 1 017 | 21 585 | 16 232 | 1 423 | 79 769 | 74 847 | |
| 6552 | Land subdivider and developers, n.e.c. | 83 | 206 | *18 | 2 860 | *265 | *35 | 36 148 | 28 432 | |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987—Con.

1982

Relative standard
error of estimate
(percent) for
column—1987
SIC
code

| Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees** | Total construction receipts ¹ | Value added†† | B | H | M |
|---------------|--|---|--|---------------------------------------|--|-----------------|--|---------------|-----|-----|----------------------|
| I | J | K | L | M | N | O | P | Q | | | |
| 1 739 743 | 1 117 657 | 915 953 | 77 728 | 61 510 | 474 799 | 35 551 | 2 751 886 | 1 289 292 | 1 | 1 | 5 |
| | | | | | | | | | | | 15, 16, 17 |
| | | | | | | | | | | | 15 |
| 128 055 | 109 412 | 103 434 | 3 696 | 4 303 | 29 853 | 3 306 | 182 868 | 77 375 | 8 | 8 | 21 |
| 22 586 | 23 928 | 50 200 | 497 | 220 | 7 565 | 416 | 55 240 | 14 272 | 15 | 10 | 5 |
| 38 836 | 33 911 | 56 188 | *397 | *1 713 | 25 129 | 909 | 106 293 | 54 926 | 15 | 19 | 44 |
| 50 410 | 38 789 | 41 986 | 1 106 | *1 050 | 9 515 | 788 | 80 671 | 28 600 | 12 | 10 | 45 |
| 165 370 | 112 073 | 414 777 | 7 957 | 4 148 | 30 426 | 3 578 | 629 189 | 139 180 | 5 | 5 | 14 |
| | | | | | | | | | | | 1541 1542 |
| | | | | | | | | | | | 16 |
| 199 976 | 110 749 | 63 893 | 19 756 | 13 619 | 93 981 | 2 386 | 226 090 | 120 155 | 5 | 4 | 11 |
| 22 370 | 19 873 | 13 874 | 2 114 | 893 | 24 003 | 488 | 54 881 | 21 188 | 1 | 2 | (W) |
| 64 772 | 41 517 | 21 727 | 5 371 | 4 020 | 25 876 | 2 140 | 147 553 | 103 536 | 6 | 8 | 21 |
| 67 295 | 41 057 | 31 300 | 5 786 | 3 841 | 42 756 | 1 064 | 83 950 | 51 067 | 8 | 7 | 29 |
| | | | | | | | | | | | 1622 1623 1629 |
| | | | | | | | | | | | 17 |
| 199 510 | 144 130 | 39 186 | 5 747 | 5 631 | 36 070 | 3 794 | 255 820 | 135 783 | 3 | 3 | 17 |
| 53 067 | 16 512 | 1 674 | 1 274 | 934 | 6 433 | 861 | 34 601 | 25 486 | 10 | 11 | 29 |
| 184 236 | 119 734 | 11 402 | 3 553 | 5 052 | 33 166 | 3 167 | 224 167 | 131 156 | 5 | 3 | 9 |
| 25 279 | (D) | 1 460 | 547 | 221 | 4 807 | 494 | 19 391 | 11 870 | 8 | 8 | 22 |
| 64 388 | (D) | 4 704 | 1 416 | 1 895 | 9 228 | 2 380 | 105 779 | 59 844 | 5 | 5 | 15 |
| (S) | (S) | (D) | (S) | (S) | (S) | (D) | (D) | 18 400 | (S) | (D) | (S) |
| 35 517 | 19 003 | 5 147 | 739 | 1 192 | 5 898 | 885 | 32 533 | 17 097 | 9 | 9 | 28 |
| 26 435 | 21 520 | *8 544 | 505 | 471 | 2 208 | 528 | 21 795 | 10 329 | 10 | 16 | 20 |
| 85 817 | 61 871 | 6 705 | 3 167 | 1 391 | 12 202 | 1 637 | *81 273 | 44 659 | 7 | 6 | 20 |
| 54 399 | 27 260 | 5 970 | 3 687 | 2 127 | 12 701 | 1 642 | 83 398 | 46 366 | 9 | 7 | 23 |
| 7 236 | 4 870 | 140 | 272 | 199 | 2 895 | 159 | 7 157 | 4 495 | 33 | 28 | 19 |
| 28 528 | 14 075 | (D) | 1 826 | 651 | 4 123 | (S) | (S) | 5 (D) | 7 | 7 | 1791 |
| 24 615 | 30 178 | 247 | 865 | *357 | 2 041 | 310 | 34 899 | 17 808 | 16 | 10 | 55 |
| 45 261 | 14 650 | 2 972 | 4 312 | 4 959 | 36 192 | 1 522 | 100 475 | 62 583 | 13 | 15 | 22 |
| 5 301 | *1 270 | *744 | 191 | 268 | 2 218 | (D) | 2 016 | 1 598 | 22 | 22 | 13 |
| 44 394 | (D) | 3 545 | 1 155 | 605 | 2 304 | 885 | 68 260 | 41 025 | 8 | 3 | 16 |
| 49 720 | 28 630 | 4 922 | 1 155 | 1 139 | 7 984 | 647 | (D) | 19 654 | 11 | 12 | 18 |
| 29 429 | 1 390 | 7 716 | 483 | 353 | 3 254 | 196 | 9 023 | *2 552 | 29 | 18 | 29 |
| | | | | | | | | | | | 6552 |

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | 1977 | 1972 | Relative standard error of estimate (percent) | | | |
|---|-----------|-----------|-----------|-----------|---|------|------|------|
| | | | | | 1987 | 1982 | 1977 | 1972 |
| Number of establishments in business during year | 6 469 | 6 075 | 7 273 | 5 951 | 1 | 2 | 3 | 4 |
| Proprietors and working partners | 1 616 | 2 172 | 4 624 | 4 042 | 6 | 5 | 5 | 5 |
| All employees** | 38 504 | 35 551 | 45 475 | 38 722 | 1 | 2 | 1 | 2 |
| Construction workers: | | | | | | | | |
| March | 26 436 | 25 272 | 32 901 | 26 784 | 2 | 2 | 2 | 2 |
| May | 29 130 | 28 292 | 39 006 | 31 039 | 2 | 2 | 2 | 3 |
| August | 32 739 | 30 568 | 41 426 | 37 158 | 2 | 2 | 2 | 3 |
| November | 30 434 | 25 685 | 37 663 | 32 955 | 2 | 2 | 2 | 3 |
| Average | 29 685 | 28 157 | 37 786 | 32 662 | 1 | 2 | 2 | 3 |
| Other employees: | | | | | | | | |
| March | 8 615 | 7 347 | 7 570 | 5 686 | 2 | 2 | 2 | 3 |
| May | 8 737 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| August | 9 028 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| November | 8 898 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Average | 8 819 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Construction worker hours (thousands): | | | | | | | | |
| January to March | 9 531 | 8 482 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| April to June | 10 929 | 9 986 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| July to September | 12 639 | 11 039 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| October to December | 11 489 | 9 120 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| Total hours worked | 44 590 | 38 629 | (NA) | (NA) | 2 | 2 | (NA) | (NA) |
| Payroll, all employees | 786 241 | 673 683 | 627 123 | 365 692 | 1 | 1 | 1 | 2 |
| Payroll, construction workers | 573 291 | 512 606 | 504 366 | 302 411 | 1 | 1 | 1 | 2 |
| Payroll, other employees | 212 950 | 161 077 | 122 757 | 63 281 | 2 | 1 | 1 | 3 |
| First quarter payroll, all employees | 161 151 | 150 531 | 128 806 | (NA) | 1 | 1 | 1 | (NA) |
| Employer costs for fringe benefits, all employees | 190 686 | 132 702 | 145 842 | (NA) | 1 | 1 | 1 | (NA) |
| Legally required expenditures | 133 157 | 100 869 | 86 238 | (NA) | 2 | 1 | 1 | (NA) |
| Voluntary expenditures | 57 528 | 31 833 | 59 604 | (NA) | 2 | 2 | 1 | (NA) |
| Dollar value of business done | 3 799 835 | 2 827 689 | 2 697 564 | 1 517 383 | 1 | 1 | 1 | 2 |
| Value of construction work ¹ | 3 675 649 | 2 751 886 | 2 566 932 | 1 443 701 | 1 | 1 | 1 | 2 |
| Value of construction work subcontracted in from others | 906 512 | 687 770 | 702 034 | 296 921 | 4 | 2 | 2 | 4 |
| Land receipts ² | 26 481 | 15 455 | (NA) | (NA) | 13 | 11 | (NA) | (NA) |
| Other business receipts | 97 705 | 60 347 | 130 632 | 73 682 | 6 | 4 | 4 | 5 |
| Net value of construction | 2 759 695 | 2 038 079 | 1 980 424 | 1 095 033 | 1 | 1 | 1 | 3 |
| Value added†† | 1 739 743 | 1 289 292 | 1 189 190 | 689 878 | 1 | 1 | 1 | 3 |
| Selected costs | | | | | | | | |
| Materials, components, and supplies ³ | 2 033 610 | 1 522 941 | 1 454 371 | 802 532 | 2 | 1 | 2 | 3 |
| Construction work subcontracted to others | 1 059 183 | 756 372 | 823 188 | 453 864 | 2 | 1 | 2 | 3 |
| Selected power, fuels, and lubricants | 915 953 | 713 807 | 586 508 | 348 668 | 3 | 2 | 2 | 4 |
| Electricity | 58 474 | 52 761 | 44 675 | (NA) | 2 | 2 | 2 | (NA) |
| Natural gas | 7 960 | 6 656 | 5 094 | (NA) | 5 | 3 | 3 | (NA) |
| Gasoline and diesel fuel | 3 012 | 3 120 | 2 569 | (NA) | 6 | 2 | 4 | (NA) |
| On highway use | 43 654 | 39 543 | 30 817 | (NA) | 2 | 2 | 2 | (NA) |
| Off highway use | 32 437 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Other, including lubricating oils and greases | 11 217 | (NA) | (NA) | (NA) | 4 | (NA) | (NA) | (NA) |
| | 3 846 | 3 440 | 6 197 | (NA) | 5 | 5 | 4 | (NA) |
| Rental cost for machinery, equipment, and buildings | 77 728 | 60 584 | 43 197 | (NA) | 4 | 2 | 1 | (NA) |
| For machinery and equipment | 56 560 | 46 127 | 36 381 | 28 198 | 4 | 2 | 1 | 8 |
| For buildings | 21 167 | 14 456 | 6 815 | (NA) | 5 | 3 | 4 | (NA) |
| Selected purchased services | 65 917 | 48 092 | 45 731 | (NA) | 3 | 2 | 2 | (NA) |
| Communication services | 17 759 | 13 926 | 10 585 | (NA) | 3 | 4 | 3 | (NA) |
| Repairs to buildings and other structures | 3 262 | 1 856 | 2 578 | (NA) | 8 | 8 | 7 | (NA) |
| Repairs to machinery and equipment | 44 895 | 32 309 | 32 569 | (NA) | 3 | 2 | 2 | (NA) |
| Ownership of construction projects: | | | | | | | | |
| Value of construction work | 3 675 649 | 2 751 886 | 2 566 932 | 1 443 701 | 1 | 1 | 1 | 2 |
| Government owned | 869 876 | 741 111 | 496 803 | 441 852 | 5 | 3 | 2 | 5 |
| Federal | 285 143 | (NA) | (NA) | (NA) | 5 | (NA) | (NA) | (NA) |
| State and local | 584 733 | (NA) | (NA) | (NA) | 7 | (NA) | (NA) | (NA) |
| Privately owned | 2 805 772 | 2 010 775 | 2 070 129 | 1 001 849 | 2 | 2 | 2 | 3 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

³For 1972, includes data for power, fuels, and lubricants.

Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) | |
|--|---------|---------|---|------|
| | | | 1987 | 1982 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT | | | | |
| Beginning-of-year gross book value of depreciable assets | 436 137 | 552 337 | 3 | 3 |
| Capital expenditures, other than land | 61 510 | 45 181 | 5 | 3 |
| New | 37 516 | 25 299 | 5 | 4 |
| Used | 23 994 | 19 882 | 9 | 5 |
| Retirements and disposition of depreciable assets | 22 848 | 20 397 | 9 | 7 |
| End-of-year gross book value of depreciable assets | 474 799 | 577 121 | 3 | 3 |
| Depreciation charges during year | 53 301 | 70 549 | 3 | 3 |
| Buildings and Other Structures, Additions, and Related Facilities | | | | |
| Beginning-of-year gross book value of depreciable assets | 76 235 | 98 661 | 7 | 6 |
| Capital expenditures, other than land | 6 626 | 4 959 | 15 | 14 |
| New buildings and other structures | 3 523 | 2 415 | 20 | 4 |
| Used buildings and other structures | 3 102 | 2 544 | 23 | 28 |
| Retirements and disposition of depreciable assets | 3 435 | 3 977 | 18 | 19 |
| End-of-year gross book value of depreciable assets | 79 426 | 99 643 | 7 | 6 |
| Depreciation charges during year | 6 120 | 7 604 | 7 | 6 |
| Machinery and Equipment | | | | |
| Beginning-of-year gross book value of depreciable assets | 359 901 | 453 675 | 3 | 3 |
| Capital expenditures, other than land | 54 884 | 40 222 | 5 | 4 |
| New machinery and equipment, including automobiles and trucks | 33 993 | 22 884 | 6 | 4 |
| New automobiles and trucks, intended primarily for highway use | 15 763 | 9 017 | 7 | 7 |
| Used machinery and equipment, including automobiles and trucks | 20 891 | 17 338 | 9 | 4 |
| Retirements and disposition of depreciable assets | 19 412 | 16 419 | 9 | 5 |
| End-of-year gross book value of depreciable assets | 395 373 | 477 478 | 3 | 3 |
| Depreciation charges during year | 47 181 | 62 944 | 3 | 3 |

Table 6. Value of Inventories for Establishments With Payroll: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
|-------------------------------------|-----------------------------|---|
| All establishments: | | |
| Number | 6 469 | 1 |
| Value of construction work | 3 675 649 | 1 |
| Establishments with inventories: | | |
| Number | 2 444 | 4 |
| Value of construction work | 1 913 197 | 3 |
| Inventories ¹ : | | |
| End of 1987, materials and supplies | 43 770 | 6 |
| End of 1986, materials and supplies | 41 410 | 7 |
| Establishments with no inventories: | | |
| Number | 2 996 | 4 |
| Value of construction work | 1 285 967 | 4 |
| Establishments not reporting: | | |
| Number | 1 029 | 7 |
| Value of construction work | 476 485 | 6 |

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of— | | | | | | | | | |
|---|-----------|------------------------------------|------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-------------------------|---|
| | | 1 to 4 employees | 5 to 9 employees | 10 to 19 employees | 20 to 49 employees | 50 to 99 employees | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | 1,000 employees or more | |
| 1987 | | | | | | | | | | | |
| Number of establishments ----- | 6 469 | (S) | 1 168 | 616 | 257 | 55 | 17 | 2 | - | - | - |
| All employees** ----- | 38 504 | (S) | 7 522 | 8 189 | 7 643 | 3 579 | 3 180 | (D) | - | - | - |
| Payroll, all employees ----- | 786 241 | (S) | 122 214 | 165 461 | 193 654 | 98 175 | 88 440 | (D) | - | - | - |
| Construction worker hours (thousands) ----- | 44 590 | (S) | 7 607 | 10 130 | 9 183 | 4 552 | 3 935 | (D) | - | - | - |
| Dollar value of business done ----- | 3 799 835 | (S) | 624 644 | 707 802 | 907 056 | 439 056 | 330 532 | (D) | - | - | - |
| Value of construction work ¹ ----- | 3 675 649 | (S) | 607 397 | 681 090 | 886 314 | 742 410 | (D) | (D) | - | - | - |
| Net value of construction work ¹ ----- | 2 759 695 | (S) | 461 815 | 531 275 | 637 595 | 314 342 | 234 098 | (D) | - | - | - |
| Value added†† ----- | 1 739 743 | (S) | 292 060 | 344 879 | 400 382 | 202 120 | 148 449 | (D) | - | - | - |
| Cost of materials, components, supplies, and fuels ----- | 1 117 657 | (S) | 183 173 | 207 027 | 255 880 | 225 050 | (D) | (D) | - | - | - |
| Cost of construction work subcontracted to others ----- | 915 953 | (S) | 145 582 | 149 815 | 248 718 | 193 969 | (D) | (D) | - | - | - |
| Rental cost for machinery, equipment, and buildings ----- | 77 728 | (S) | 15 563 | 19 153 | 18 552 | 9 587 | 5 243 | (D) | - | - | - |
| Capital expenditures, other than land ----- | 61 510 | (S) | 13 666 | 13 057 | 9 966 | 8 096 | 2 580 | (D) | - | - | - |
| End-of-year gross book value of depreciable assets ----- | 474 799 | (S) | 85 782 | 117 169 | 85 448 | 64 845 | 15 734 | (D) | - | - | - |
| 1982 | | | | | | | | | | | |
| All employees** ----- | 35 551 | 7 894 | 6 107 | 6 465 | 6 518 | 2 654 | 3 713 | 2 199 | (D) | (D) | - |
| Value of construction work ¹ ----- | 2 751 886 | 413 658 | 382 379 | 449 806 | 601 134 | 273 671 | 631 238 | (D) | (D) | (D) | - |
| Value added†† ----- | 1 289 292 | 199 515 | 183 869 | 229 989 | 275 762 | 136 490 | 263 666 | (D) | (D) | (D) | - |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** ----- | 1 | (S) | 6 | 5 | 4 | 3 | (W) | (D) | - | - | - |
| Net value of construction work ¹ ----- | 1 | (S) | 6 | 4 | 2 | 1 | (W) | (D) | - | - | - |
| Capital expenditures, other than land ----- | 5 | (S) | 17 | 12 | 4 | (W) | (W) | (D) | - | - | - |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done— | | | | | | | | | |
|---|-----------|--|----------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|----------------------------|----------------------|
| | | Less than \$25,000 | \$25,000 to \$49,999 | \$50,000 to \$99,999 | \$100,000 to \$249,999 | \$250,000 to \$499,999 | \$500,000 to \$999,999 | \$1,000,000 to \$2,499,999 | \$2,500,000 to \$4,999,999 | \$5,000,000 to \$9,999,999 | \$10,000,000 or more |
| 1987 | | | | | | | | | | | |
| Number of establishments ----- | 6 469 | (S) | (S) | (S) | 2 099 | 1 006 | 587 | 523 | 147 | 80 | 36 |
| All employees** ----- | 38 504 | (S) | (S) | (S) | 6 261 | 5 510 | 5 096 | 7 299 | 3 991 | 3 961 | 3 290 |
| Payroll, all employees ----- | 786 241 | (S) | (S) | (S) | 80 622 | 87 810 | 94 762 | 167 936 | 105 184 | 117 485 | 106 364 |
| Construction worker hours (thousands) ----- | 44 590 | (S) | (S) | (S) | 6 789 | 6 107 | 6 042 | 8 810 | 4 570 | 5 214 | 4 002 |
| Dollar value of business done ----- | 3 799 835 | (S) | (S) | (S) | 337 738 | 363 653 | 422 350 | 783 617 | 498 949 | 562 177 | 724 706 |
| Value of construction work ¹ ----- | 3 675 649 | (S) | (S) | (S) | 330 285 | 353 008 | 405 596 | 755 344 | 481 423 | 534 982 | 710 371 |
| Net value of construction work ¹ ----- | 2 759 695 | (S) | (S) | (S) | 299 323 | 307 966 | 333 958 | 582 544 | 352 859 | 395 533 | 390 611 |
| Value added†† ----- | 1 739 743 | (S) | (S) | (S) | 184 070 | 194 941 | 219 133 | 370 041 | 216 075 | 249 601 | 244 368 |
| Cost of materials, components, supplies, and fuels ----- | 1 117 657 | (S) | (S) | (S) | 122 095 | 121 464 | 126 147 | 234 194 | 149 649 | 327 368 | (D) |
| Cost of construction work subcontracted to others ----- | 915 953 | (S) | (S) | (S) | 30 962 | 45 041 | 71 637 | 172 800 | 128 564 | 139 449 | 319 760 |
| Rental cost for machinery, equipment, and buildings ----- | 77 728 | (S) | (S) | (S) | 7 562 | 8 560 | 7 466 | 17 959 | 11 765 | 14 795 | 8 513 |
| Capital expenditures, other than land ----- | 61 510 | (S) | (S) | (S) | 7 742 | 9 559 | 9 243 | 12 685 | 6 677 | 9 012 | 4 909 |
| End-of-year gross book value of depreciable assets ----- | 474 799 | (S) | (S) | (S) | 56 466 | 59 973 | 58 003 | 108 780 | 43 024 | 82 040 | 45 917 |
| 1982 | | | | | | | | | | | |
| All employees** ----- | 35 551 | 1 515 | 1 063 | 2 161 | 4 498 | 4 857 | 4 453 | 5 261 | 3 593 | 2 998 | 5 150 |
| Value of construction work ¹ ----- | 2 751 886 | 14 565 | 23 706 | 71 270 | 203 358 | 262 976 | 292 013 | 480 992 | 354 167 | 327 959 | 720 878 |
| Value added†† ----- | 1 289 292 | 7 318 | 12 197 | 38 441 | 108 820 | 139 312 | 150 158 | 236 196 | 173 875 | 137 033 | 285 938 |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** ----- | 1 | (S) | (S) | (S) | 5 | 7 | 7 | 3 | 4 | (W) | (W) |
| Net value of construction work ¹ ----- | 1 | (S) | (S) | (S) | 4 | 6 | 7 | 5 | 5 | (W) | (W) |
| Capital expenditures, other than land ----- | 5 | (S) | (S) | (S) | 14 | 17 | 18 | 14 | 9 | 1 | 3 |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|---|---|------------------|--|------------------------|---|----------|----------|----------|
| | Total | New construction | Additions, alterations, or reconstruction ² | Maintenance and repair | | | | |
| | | | | | A | B | C | D |
| 1987 | | | | | | | | |
| Value of construction work ¹ | 3 675 649 | 2 186 465 | 843 102 | 429 305 | 1 | 2 | 3 | 3 |
| Building construction | 2 635 578 | 1 683 575 | 637 394 | 298 228 | 2 | 2 | 3 | 4 |
| Single-family houses | 776 223 | 521 137 | 166 045 | 89 040 | 5 | 7 | 6 | 9 |
| Single-family houses, detached | 681 373 | 451 006 | 153 311 | 77 055 | 5 | 7 | 6 | 10 |
| Single-family houses, attached | 94 850 | 70 131 | 12 734 | 11 985 | 15 | 18 | 15 | 18 |
| Apartment buildings with two or more apartments | 152 374 | 121 677 | 13 154 | 17 542 | 7 | 7 | 21 | 8 |
| Other residential buildings, including hotels and motels | 52 443 | 26 880 | 13 975 | 11 587 | 8 | 12 | 17 | 9 |
| Hotels and motels | 28 383 | 13 490 | 7 951 | 6 941 | 11 | 16 | 21 | 10 |
| Other residential buildings, excluding hotels and motels | 24 060 | 13 390 | 6 024 | 4 646 | 13 | 17 | 28 | 16 |
| Office buildings | 388 835 | 255 040 | 101 810 | 31 984 | 3 | 4 | 7 | 5 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 466 876 | 288 106 | 123 505 | 55 264 | 4 | 4 | 9 | 6 |
| Industrial buildings and warehouses | 364 881 | 207 193 | 102 447 | 55 240 | 4 | 5 | 5 | 9 |
| Industrial buildings | 289 120 | 156 580 | 85 261 | 47 278 | 4 | 6 | 4 | 10 |
| Warehouses | 75 761 | 50 613 | 17 186 | 7 962 | 7 | 8 | 16 | 18 |
| Religious buildings | 19 683 | 6 570 | 9 782 | 3 331 | 12 | 14 | 18 | 17 |
| Educational buildings | 141 319 | 78 912 | 45 210 | 17 196 | 5 | 5 | 9 | 9 |
| Hospitals and institutional buildings | 163 115 | 120 846 | 33 643 | 8 626 | 2 | 1 | 6 | 6 |
| Farm buildings | 10 079 | 5 346 | 2 922 | 1 810 | 18 | 27 | 27 | 18 |
| Amusement, social, and recreational buildings | 33 419 | 23 468 | 6 750 | 3 200 | 8 | 8 | 15 | 13 |
| Other nonresidential buildings | 49 944 | 28 400 | 18 151 | 3 408 | 10 | 6 | 20 | 9 |
| Land development for buildings | 16 382 | (NA) | (NA) | (NA) | 33 | (NA) | (NA) | (NA) |
| Nonbuilding construction | 839 676 | 502 890 | 205 708 | 131 077 | 3 | 3 | 4 | 6 |
| Highways, streets, and related facilities | 354 728 | 198 983 | 111 153 | 44 590 | 4 | 6 | 6 | 10 |
| Outdoor swimming pools | 15 562 | 12 650 | *571 | *2 340 | 28 | 28 | 62 | 53 |
| Parking areas including private driveways | 13 422 | 7 997 | 3 821 | 1 602 | 19 | 19 | 40 | 20 |
| Bridges, tunnels, and elevated highways | 60 375 | 43 997 | 10 695 | 5 682 | 2 | 3 | (W) | 14 |
| Marine construction | 19 176 | 4 643 | (D) | (D) | 15 | 19 | (D) | (D) |
| Harbor and port facilities | 15 706 | 6 388 | (D) | (D) | 5 | 8 | (D) | (D) |
| Conservation and development construction | 11 820 | 7 345 | 4 126 | 349 | 22 | 24 | 36 | 32 |
| Power and communication transmission lines, towers, and related facilities | 65 159 | 46 005 | 9 007 | 10 146 | 5 | 6 | 2 | 5 |
| Sewers, water mains, and related facilities | 113 693 | 85 897 | 14 587 | 13 208 | 9 | 10 | 10 | 20 |
| Sewers, sewer lines, and related facilities | 70 755 | 53 521 | 9 193 | 8 039 | 11 | 12 | 12 | 12 |
| Water mains and related facilities | 42 938 | 32 376 | 5 394 | *5 169 | 16 | 16 | 20 | 46 |
| Pipeline, other than sewer or water lines | 9 032 | 7 493 | 644 | 894 | 13 | 13 | 11 | 32 |
| Heavy industrial facilities | 34 829 | 9 191 | 18 802 | 6 834 | 2 | 5 | 2 | (W) |
| Sewage treatment and water treatment plants | 37 420 | 22 462 | 13 169 | 1 787 | 9 | 11 | 12 | 17 |
| Sewage treatment plants | 23 832 | 11 972 | 11 394 | 465 | 14 | 21 | 8 | 6 |
| Water treatment plants | 13 588 | 10 490 | *1 775 | 1 322 | 7 | 1 | 49 | 23 |
| Earthmoving, nonbuilding | 22 064 | 15 980 | 2 674 | *3 409 | 14 | 11 | 35 | 63 |
| Other nonbuilding construction | 66 690 | 33 859 | 15 452 | 17 394 | 15 | 15 | 23 | 27 |
| Construction work, n.s.k. | 200 394 | (NA) | (NA) | (NA) | 6 | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | |
| Value of construction work ¹ | 2 751 886 | 2 254 979 | (NA) | 496 906 | 1 | 1 | (NA) | 2 |
| Building construction | 1 870 985 | 1 551 793 | (NA) | 319 192 | 1 | 1 | (NA) | 2 |
| Single-family houses | 438 883 | 333 452 | (NA) | 105 431 | 4 | 4 | (NA) | 5 |
| Single-family houses, detached | 381 832 | 285 946 | (NA) | 95 885 | 5 | 5 | (NA) | 6 |
| Single-family houses, attached | 57 051 | 47 505 | (NA) | 9 545 | 6 | 7 | (NA) | 15 |
| Apartment buildings with two or more apartments | 76 544 | 61 495 | (NA) | 15 049 | 8 | 9 | (NA) | 9 |
| Other residential buildings, including hotels and motels | 41 531 | 35 001 | (NA) | 6 529 | 11 | 13 | (NA) | 5 |
| Office buildings | 417 438 | 371 352 | (NA) | 46 085 | 2 | 1 | (NA) | 2 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 206 902 | 167 517 | (NA) | 39 384 | 4 | 4 | (NA) | 8 |
| Industrial buildings and warehouses | 350 885 | 281 996 | (NA) | 68 888 | 2 | 3 | (NA) | 4 |
| Industrial buildings | 281 039 | 222 383 | (NA) | 58 655 | 3 | 3 | (NA) | 5 |
| Warehouses | 69 845 | 59 613 | (NA) | 10 232 | 4 | 3 | (NA) | 7 |
| Religious buildings | 22 814 | 18 915 | (NA) | 3 899 | 10 | 12 | (NA) | 6 |
| Educational buildings | 103 024 | 89 472 | (NA) | 13 552 | 4 | 5 | (NA) | 7 |
| Hospitals and institutional buildings | 146 733 | 133 808 | (NA) | 12 925 | 3 | 3 | (NA) | 5 |
| Amusement, social, and recreational buildings | 19 576 | 18 056 | (NA) | 1 519 | 4 | 4 | (NA) | 9 |
| Other nonresidential buildings | 46 650 | 40 723 | (NA) | 5 925 | 6 | 7 | (NA) | 25 |
| Nonbuilding construction | 718 868 | 572 355 | (NA) | 146 512 | 2 | 2 | (NA) | 5 |
| Highways, streets, and related facilities | 286 663 | 205 650 | (NA) | 81 012 | 3 | 4 | (NA) | 9 |
| Bridges, tunnels, and elevated highways | 76 963 | 63 482 | (NA) | 13 481 | 7 | 7 | (NA) | 4 |
| Marine construction | 22 260 | 15 923 | (NA) | 6 336 | 8 | 11 | (NA) | 4 |
| Power and communication transmission lines, towers, and related facilities | 95 389 | 87 168 | (NA) | 8 220 | 3 | 3 | (NA) | 5 |
| Sewers, water mains, and related facilities | 87 251 | 75 862 | (NA) | 11 388 | 5 | 4 | (NA) | 9 |
| Sewers, sewer lines, and related facilities | 52 350 | 44 902 | (NA) | 7 448 | 6 | 7 | (NA) | 13 |
| Water mains and related facilities | 34 900 | 30 959 | (NA) | 3 940 | 5 | 6 | (NA) | 4 |
| Pipeline, other than sewer or water lines | 11 801 | 10 799 | (NA) | 1 002 | (W) | (W) | (NA) | (W) |
| Heavy industrial facilities | 42 701 | 36 085 | (NA) | 6 615 | 2 | 3 | (NA) | 7 |
| Sewage treatment and water treatment plants | 31 328 | 28 686 | (NA) | 2 642 | 6 | 6 | (NA) | 17 |
| Sewage treatment plants | 11 075 | 8 901 | (NA) | 2 174 | 16 | 19 | (NA) | 8 |
| Water treatment plants | 20 252 | 19 785 | (NA) | *467 | 4 | 2 | (NA) | 68 |
| Other nonbuilding construction | 64 505 | 48 693 | (NA) | 15 808 | 12 | 13 | (NA) | 23 |
| Construction work, n.s.k. | 162 032 | 130 830 | (NA) | 31 202 | 5 | 5 | (NA) | 7 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establishments | Average number of construction workers | Construction worker hours (thousands) | January to March | | April to June | |
|---------------------|--|-----------------------------|---|---|------------------|--------|---------------|--------|
| | | | | | A | B | C | D |
| | | | | | | | E | F |
| | | | | | | | | G |
| | Construction industries and land subdividers and developers ----- | 6 469 | 29 685 | 44 590 | | 26 436 | 9 531 | 29 130 |
| 15, 16, 17 | Construction industries: | | | | | | | 10 929 |
| 15 | Building construction—General contractors and operative builders: | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | |
| 1521 | Single-family houses ----- | 1 234 | 2 636 | 3 324 | 2 453 | 744 | 2 601 | 811 |
| 1522 | Other residential buildings ----- | 120 | 653 | 664 | 841 | 179 | 518 | 155 |
| 1531 | Operative builders ----- | 156 | 143 | 234 | 126 | 51 | 171 | 63 |
| 154 | General contractors, nonresidential buildings: | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 84 | 814 | 1 193 | 711 | 262 | 687 | 259 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 396 | 2 242 | 3 727 | 2 041 | 840 | 2 219 | 906 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | |
| 1611 | Highway and street construction----- | 213 | 2 242 | 3 588 | 1 423 | 512 | 2 279 | 890 |
| 162 | Heavy construction, except highway: | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction ----- | 17 | 305 | 469 | 227 | 100 | 275 | 108 |
| 1623 | Water, sewer, and utility lines ----- | 119 | 1 189 | 1 884 | 884 | 366 | 1 091 | 430 |
| 1629 | Heavy construction, n.e.c. ----- | 182 | 721 | 1 039 | 587 | 186 | 689 | 253 |
| 17 | Special trade contractors: | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 632 | 3 374 | 5 450 | 3 122 | 1 213 | 3 450 | 1 366 |
| 1721 | Painting and paper hanging ----- | 410 | 1 411 | 2 059 | 1 098 | 370 | 1 290 | 488 |
| 1731 | Electrical work----- | 514 | 3 214 | 5 065 | 2 896 | 1 155 | 3 460 | 1 229 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | 169 | 596 | 682 | 464 | 146 | 508 | 200 |
| 1742 | Plastering, drywall, and insulation work ----- | 260 | 1 752 | 2 524 | 1 666 | 566 | 1 556 | 560 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 46 | (S) | (S) | (S) | (S) | (S) | (S) |
| 175 | Carpentry and floor work: | | | | | | | |
| 1751 | Carpentry ----- | 336 | 964 | 1 427 | 922 | 314 | 1 007 | 364 |
| 1752 | Floor laying and other floor work ----- | 139 | 462 | 656 | 455 | 159 | 460 | 168 |
| 1761 | Roofing, siding, and sheet metal work: | | | | | | | |
| 1771 | Concrete work----- | 274 | 1 277 | 1 762 | 1 247 | 432 | 1 282 | 486 |
| 1781 | Water well drilling ----- | 53 | 114 | 162 | 92 | 28 | 125 | *51 |
| 179 | Miscellaneous special trade contractors: | | | | | | | |
| 1791 | Structural steel erection ----- | 31 | 460 | 776 | 403 | 139 | 563 | 249 |
| 1793 | Glass and glazing work ----- | 56 | 306 | 521 | 279 | 116 | 293 | 125 |
| 1794 | Excavation work ----- | 174 | 550 | 960 | 414 | 165 | 571 | 246 |
| 1795 | Wrecking and demolition work ----- | 20 | 72 | 111 | 80 | 25 | 76 | 30 |
| 1796 | Installing building equipment, n.e.c. ----- | 65 | 710 | 1 356 | 641 | 395 | 750 | 355 |
| 1799 | Special trade contractors, n.e.c. ----- | 299 | 1 017 | 1 423 | 955 | 310 | 936 | 336 |
| 6552 | Land subdividers and developers, n.e.c. ----- | 83 | *18 | *35 | *9 | *5 | *20 | *7 |

¹Construction workers during pay periods including 12th of March, May, August, and November.

| July to September | | October to December | | Relative standard error of estimate (percent) for column— | | | | | | | | | | | | 1987 SIC code |
|---|---------------------------------------|---|---------------------------------------|---|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---|----|---------------------|
| Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) | B | C | D | E | F | G | H | I | J | K | | | |
| H | I | J | K | | | | | | | | | | | | | |
| 32 739 | 12 639 | 30 434 | 11 489 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 15, 16, 17 |
| 2 907 654 | 974 169 | 2 586 599 | 793 160 | 8 15 | 10 16 | 8 24 | 9 21 | 8 11 | 9 13 | 8 13 | 10 17 | 10 14 | 12 16 | 15 152 1521 1522 | | |
| 143 | 62 | 133 | 56 | 21 | 30 | 24 | 37 | 23 | 29 | 21 | 31 | 20 | 28 | 1531 | | |
| 894 2 365 | 321 1 033 | 965 2 343 | 350 947 | 12 6 | 11 7 | 14 5 | 11 7 | 11 6 | 9 8 | 11 7 | 12 9 | 15 6 | 14 7 | 154 1541 1542 | | |
| 3 000 | 1 303 | 2 265 | 881 | 5 | 6 | 5 | 6 | 5 | 7 | 5 | 7 | 5 | 6 | 1611 | | |
| 431 1 406 839 | 153 529 320 | 289 1 374 774 | 107 537 278 | 1 6 9 | 3 7 14 | 3 6 9 | 4 10 12 | 1 6 9 | 1 7 15 | 1 7 9 | 4 8 16 | (W) 6 10 | 162 1622 1623 1629 | 2 9 10 14 | | |
| 3 529 | 1 471 | 3 397 | 1 399 | 3 | 4 | 3 | 4 | 3 | 5 | 3 | 5 | 3 | 5 | 3 | 17 | |
| 1 801 | 665 | 1 457 | 534 | 10 | 12 | 10 | 11 | 10 | 11 | 13 | 14 | 12 | 15 | 1721 | | |
| 3 199 | 1 302 | 3 279 | 1 378 | 5 | 4 | 3 | 6 | 15 | 4 | 4 | 4 | 4 | 5 | 1731 | | |
| 613 1 956 (S) | 217 695 (S) | 780 1 806 (S) | 317 660 (S) | 9 5 (S) | 12 7 (S) | 10 6 (S) | 14 7 (S) | 11 5 (S) | 11 8 (S) | 10 7 (S) | 10 7 (S) | 8 6 (S) | 31 7 (S) | 1741 1742 1743 | | |
| 1 020 480 | 400 166 | 985 453 | 348 164 | 10 11 | 15 15 | 10 10 | 16 14 | 10 11 | 14 15 | 11 12 | 16 17 | 10 12 | 16 17 | 175 1751 1752 | | |
| 2 516 | 854 | 2 143 | 725 | 7 | 9 | 11 | 11 | 8 | 9 | 8 | 10 | 8 | 10 | 1761 | | |
| 1 342 | 485 | 1 236 | 377 | 9 | 11 | 9 | 11 | 10 | 12 | 11 | 15 | 10 | 13 | 1771 | | |
| 136 | 47 | *103 | *34 | 26 | 36 | 18 | 16 | 22 | 43 | 27 | 34 | 41 | 48 | 1781 | | |
| 445 322 625 63 573 1 149 | 212 132 275 26 282 413 | 429 337 591 68 678 1 031 | 175 146 273 28 323 362 | 6 17 13 19 9 11 | 5 16 16 23 12 15 | 6 17 14 31 17 12 | 9 15 18 31 21 15 | 5 17 13 18 8 10 | 6 15 17 27 14 14 | 7 17 14 19 14 12 | 5 14 14 19 10 17 | 8 18 19 15 10 12 | 6 20 18 18 14 17 | 179 1791 1793 1794 1795 1796 1799 | | |
| *25 | *12 | *20 | *10 | 47 | 54 | 50 | 60 | 50 | 51 | 44 | 51 | 50 | 59 | 6552 | | |

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Average number of employees** per estab- lishment | Payroll per employee (\$1,000) | Construction worker hours per construction worker | Value of construction work per construction worker (\$1,000) | Average per dollar of value of construction work | | | |
|---------------------|--|--|---|---|--|--|--|---|---|
| | | | | | | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Rental cost for machinery, equipment, and buildings |
| | Construction industries and land subdividers and developers | 6.0 | 20.4 | 1 502.1 | 123.8 | .214 | .304 | .249 | .021 |
| 15, 16, 17 | Construction industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | 3.0 | 13.0 | 1 261.0 | 124.9 | .145 | .332 | .314 | .011 |
| 1522 | Other residential buildings | 7.0 | 15.8 | 1 016.8 | 147.0 | .137 | .249 | .523 | .005 |
| 1531 | Operative builders | 2.5 | 23.7 | 1 636.4 | 881.3 | .075 | .269 | .446 | .003 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 12.7 | 22.8 | 1 465.6 | 158.5 | .189 | .301 | .325 | .009 |
| 1542 | Nonresidential buildings, n.e.c. | 8.1 | 25.1 | 1 662.4 | 304.7 | .118 | .164 | .607 | .012 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 13.0 | 26.4 | 1 600.4 | 157.4 | .208 | .314 | .181 | .056 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 24.8 | 29.0 | 1 537.7 | 183.3 | .218 | .355 | .248 | .038 |
| 1623 | Water, sewer, and utility lines | 12.3 | 22.3 | 1 567.7 | 106.7 | .256 | .327 | .171 | .042 |
| 1629 | Heavy construction, n.e.c. | 5.3 | 23.3 | 1 441.1 | 189.8 | .166 | .300 | .229 | .042 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 7.3 | 23.4 | 1 615.3 | 111.9 | .287 | .382 | .104 | .015 |
| 1721 | Painting and paper hanging | 4.0 | 14.5 | 1 459.2 | 50.5 | .331 | .232 | .024 | .018 |
| 1731 | Electrical work | 8.2 | 23.6 | 1 575.9 | 93.9 | .330 | .397 | .038 | .012 |
| 174 | Masonry, stoneowrk, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 3.9 | 17.7 | 1 479.9 | 67.7 | .292 | (D) | .036 | .014 |
| 1742 | Plastering, drywall, and insulation work | 7.3 | 16.9 | 1 440.6 | 58.8 | .334 | (D) | .046 | .014 |
| 1743 | Terrazzo, tile, marble, and mosaic work | (S) | (S) | (S) | (S) | (S) | (S) | (D) | (S) |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 3.6 | 13.8 | 1 450.2 | 60.3 | .280 | .320 | .087 | .012 |
| 1752 | Floor laying and other floor work | 4.3 | 18.3 | 1 419.9 | 116.3 | .203 | .401 | .159 | .009 |
| 1761 | Roofing, siding, and sheet metal work | 7.6 | 15.0 | 1 354.5 | 72.1 | .265 | .404 | .044 | .021 |
| 1771 | Concrete work | 5.5 | 16.1 | 1 395.5 | 67.8 | .280 | .315 | .069 | .043 |
| 1781 | Water well drilling | 3.2 | 17.5 | 1 421.1 | 106.8 | .243 | .400 | .011 | .022 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 16.9 | 24.6 | 1 687.0 | 120.8 | .232 | .253 | (D) | .033 |
| 1793 | Glass and glazing work | 7.6 | 21.8 | 1 691.6 | 172.0 | .175 | .570 | .005 | .016 |
| 1794 | Excavation work | 3.9 | 21.5 | 1 745.5 | 112.3 | .234 | .237 | .048 | .070 |
| 1795 | Wrecking and demolition work | 4.4 | 19.6 | 1 541.7 | 98.8 | .245 | *.178 | *.105 | .027 |
| 1796 | Installing building equipment, n.e.c. | 12.8 | 30.0 | 1 909.9 | 87.9 | .399 | (D) | .057 | .019 |
| 1799 | Special trade contractors, n.e.c. | 4.2 | 17.0 | 1 399.2 | 78.4 | .271 | .359 | .062 | .014 |
| 6552 | Land subdividers and developers, n.e.c. | 2.5 | 13.9 | *1 944.4 | 2 008.2 | .079 | .038 | .213 | .013 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|-----|-----|
| | | | | | | | | | | B | E | |
| | PORLAND-VANCOUVER, OR-WA CMSA | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers----- | 3 489 | 25 150 | 540 609 | 2 549 523 | 1 892 527 | 1 175 234 | 782 377 | 656 996 | 35 472 | 2 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses----- | 669 | 2 181 | 30 731 | 204 650 | 140 264 | 79 503 | 66 213 | 64 386 | 3 116 | 10 | 11 |
| 1522 | Other residential buildings----- | 53 | 533 | 9 914 | 76 436 | 34 764 | 16 811 | 18 187 | 41 672 | 234 | 17 | 8 |
| 1531 | Operative builders----- | 124 | 379 | 8 597 | 114 369 | 60 591 | 28 997 | 34 239 | 53 778 | *1 590 | 17 | 18 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 57 | 461 | 10 444 | 72 522 | 43 973 | 25 034 | 20 085 | 28 549 | 314 | 9 | 13 |
| 1542 | Nonresidential buildings, n.e.c.----- | 230 | 2 408 | 60 728 | 502 247 | 208 346 | 124 832 | 89 811 | 293 901 | 2 315 | 6 | 5 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction----- | 62 | 1 354 | 40 942 | 214 514 | 175 726 | 115 210 | 70 162 | 38 788 | 6 569 | 6 | 3 |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction----- | 8 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1622 | Water, sewer, and utility lines----- | 54 | 938 | 18 925 | 71 135 | 57 582 | 37 094 | 21 390 | 13 553 | 2 577 | 6 | 8 |
| 1629 | Heavy construction, n.e.c.----- | 65 | 597 | 14 272 | 87 686 | 63 635 | 39 160 | 26 219 | 24 051 | 1 754 | 7 | 7 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning----- | 360 | 3 390 | 82 293 | 280 566 | 251 594 | 151 078 | 105 106 | 28 973 | 3 463 | 3 | 3 |
| 1721 | Painting and paper hanging----- | 239 | 1 104 | 17 607 | 43 705 | 42 494 | 33 186 | 9 324 | 1 211 | 443 | 12 | 10 |
| 1731 | Electrical work----- | 268 | 2 675 | 71 004 | 209 520 | 203 183 | 126 820 | 86 242 | 6 337 | 4 145 | 3 | 3 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 98 | 474 | 9 776 | 31 415 | 30 050 | 20 148 | 11 392 | 1 365 | 180 | 10 | 11 |
| 1742 | Plastering, drywall, and insulation work----- | 135 | 1 474 | 26 889 | 79 445 | 74 077 | 50 667 | 31 739 | 5 368 | 945 | 6 | 5 |
| 1743 | Terrazzo, tile, marble, and mosaic work----- | 18 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1752 | Floor laying and other floorwork----- | 110 | 588 | 11 580 | 57 280 | 48 874 | 28 119 | 24 369 | *8 406 | 511 | 9 | 15 |
| 1761 | Roofing, siding, and sheet metal work----- | 167 | 1 752 | 29 172 | 106 884 | 101 685 | 57 946 | 44 556 | 5 199 | 943 | 9 | 7 |
| 1771 | Concrete work----- | 186 | 1 015 | 15 530 | 51 369 | 47 211 | 29 628 | 17 640 | 4 159 | 944 | 10 | 9 |
| 1781 | Water well drilling----- | 20 | 135 | 2 771 | 13 427 | (D) | 7 183 | 6 128 | (D) | 178 | 32 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection----- | 23 | 434 | 10 516 | 49 721 | (D) | 25 361 | 12 235 | (D) | 510 | 5 | (D) |
| 1793 | Glass and glazing work----- | 52 | 368 | 7 647 | 47 515 | 47 260 | 21 577 | 28 547 | *255 | *323 | 22 | 12 |
| 1794 | Excavation work----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work----- | 8 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.----- | 29 | 369 | 12 730 | 38 782 | (D) | 26 087 | 11 088 | (D) | 176 | 7 | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 135 | 733 | 12 605 | 44 771 | 41 444 | 27 827 | 14 256 | 3 327 | *632 | 14 | 15 |
| 6552 | Land subdividers and developers, n.e.c.----- | 55 | 180 | 2 574 | 36 006 | 28 018 | 28 519 | 1 436 | 7 988 | 325 | 33 | 18 |
| | PORLAND, OR PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 2 877 | 21 427 | 466 928 | 2 180 293 | 1 602 830 | 999 190 | 654 865 | 577 462 | 29 274 | 2 | 2 |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses----- | 527 | 1 815 | 25 963 | 169 994 | 117 448 | 67 237 | 53 640 | 52 545 | 2 780 | 11 | 12 |
| 1522 | Other residential buildings----- | 50 | 512 | 9 452 | 74 643 | 33 217 | 15 465 | 17 981 | 41 426 | 205 | 18 | 9 |
| 1531 | Operative builders----- | 103 | 229 | 6 282 | 89 278 | 48 015 | 28 289 | 22 066 | 41 264 | *1 567 | 20 | 22 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 45 | 410 | 8 995 | 63 642 | 39 917 | 21 461 | 19 450 | 23 726 | 244 | 10 | 14 |
| 1542 | Nonresidential buildings, n.e.c.----- | 194 | 2 158 | 54 984 | 453 122 | 186 390 | 111 931 | 80 541 | 266 733 | 2 158 | 7 | 6 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | / Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|
| | | | A | B | C | D | | | | | B | E |
| | PORLAND, OR PMSA—Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction ----- | 52 | 900 | 26 064 | (D) | (D) | 65 901 | (D) | (D) | 5 297 | 8 | (D) |
| 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction----- | 7 | 130 | 3 488 | 16 293 | 13 952 | 7 062 | (D) | 2 341 | (D) | 4 | 5 |
| 1623 | Water, sewer, and utility lines----- | 46 | 864 | 17 213 | 66 118 | 52 932 | 33 958 | (D) | 13 186 | (D) | 7 | 8 |
| 1629 | Heavy construction, n.e.c.----- | 49 | 456 | 11 863 | 78 848 | 55 187 | 32 669 | 23 843 | (D) | (D) | 8 | 8 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 303 | 3 080 | 76 246 | 255 710 | 227 513 | 138 671 | 93 357 | 28 196 | 3 192 | 3 | 3 |
| 1721 | Painting and paper hanging----- | 208 | 1 023 | 16 393 | 40 729 | 39 592 | 30 887 | 8 718 | 1 137 | 349 | 12 | 10 |
| 1731 | Electrical work ----- | 240 | 2 436 | 64 723 | 188 103 | 182 110 | 114 966 | 76 532 | 5 993 | 3 506 | 3 | 3 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 78 | 359 | 7 381 | 24 031 | 22 741 | 15 197 | 9 034 | 1 291 | 124 | 6 | 8 |
| 1742 | Plastering, drywall, and insulation work----- | 99 | 1 197 | 22 178 | 61 665 | 58 999 | 41 057 | 25 953 | 2 665 | 800 | 6 | 5 |
| 1743 | Terrazzo, tile, marble, and mosaic work----- | 18 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | 158 | 642 | 9 393 | 31 925 | 28 863 | 18 955 | 9 998 | 3 062 | 491 | 12 | 11 |
| 1752 | Floor laying and other floorwork----- | 94 | 481 | 9 296 | 48 695 | 40 434 | 23 574 | 19 623 | *8 261 | 388 | 11 | 18 |
| 1761 | Roofing, siding, and sheet metal work: | | | | | | | | | | | |
| 1761 | Roofing, siding, and sheet metal work----- | 140 | 1 487 | 25 345 | 93 368 | 88 260 | 50 248 | 38 814 | 5 107 | 697 | 9 | 8 |
| 1771 | Concrete work: | | | | | | | | | | | |
| 1771 | Concrete work----- | 139 | 769 | 12 347 | 38 594 | 35 344 | 22 446 | 12 955 | 3 250 | *540 | 11 | 9 |
| 1781 | Water well drilling: | | | | | | | | | | | |
| 1781 | Water well drilling----- | *16 | *69 | (D) | *5 121 | (D) | 2 920 | (D) | (D) | (D) | 62 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection----- | 20 | 412 | 10 244 | 48 568 | (D) | 24 436 | 12 020 | (D) | 496 | 4 | (D) |
| 1793 | Glass and glazing work----- | 31 | 277 | 6 519 | 42 305 | 42 116 | 18 442 | 24 434 | *189 | *142 | 21 | 11 |
| 1794 | Excavation work----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work----- | *7 | (D) | (D) | (D) | 3 520 | (D) | 358 | *247 | 77 | (D) | 31 |
| 1796 | Installing building equipment, n.e.c.----- | 24 | 353 | 12 326 | 38 162 | (D) | 25 687 | 10 891 | (D) | 176 | 6 | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 113 | 653 | 11 298 | 41 692 | 38 429 | 25 495 | 13 572 | 3 263 | 392 | 14 | 16 |
| 6552 | Land subdividers and developers, n.e.c.: | | | | | | | | | | | |
| | VANCOUVER, WA PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 612 | 3 723 | 73 681 | 369 230 | 289 697 | 176 045 | 127 512 | 79 533 | 6 198 | 3 | 2 |
| | (See appropriate State for SIC detail.) | | | | | | | | | | | |

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Washington

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SUMMARY OF FINDINGS

This report provides results from the 1987 Census of Construction Industries for Washington. The report includes data for construction establishments with payroll and shows limited data for establishments with no payroll (nonemployers). (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC Manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under "Real Estate" in the Manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

During 1987, there were 35,091 establishments in this State operating in the construction industries or as land subdividers and developers. These establishments accounted for \$10.7 billion in total value of business done.

Most of the 35,091 construction establishments were small. Of the total, 22,673 were nonemployers, and over half of the employer establishments had less than 5 employees. The 4,330 construction establishments with 5 employees or more, while representing only 12 percent of all establishments, accounted for more than 74 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$9.5 billion on total dollar value of business done. Of this amount, \$9.1 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$2.5 billion, leaving net value of construction work of \$6.7 billion. In addition, these establishments paid out \$3.0 billion for the cost of materials, fuels, power, rental of equipment and buildings,

and the cost of selected purchased services. Value added for 1987 was \$4.2 billion. (See Introduction and appendices for explanation of terms.)

There were 12,418 establishments with total employment averaging 85,585 during the year. Total payroll for 1987 was \$1.9 billion. Total hours worked by construction workers during the year were 104 million hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability, as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 22,673 establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$1.3 billion. Most of these establishments, about 66 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

Figure 1. Selected Costs Per Dollar Value of Business Done
(Percent)

1987
1982

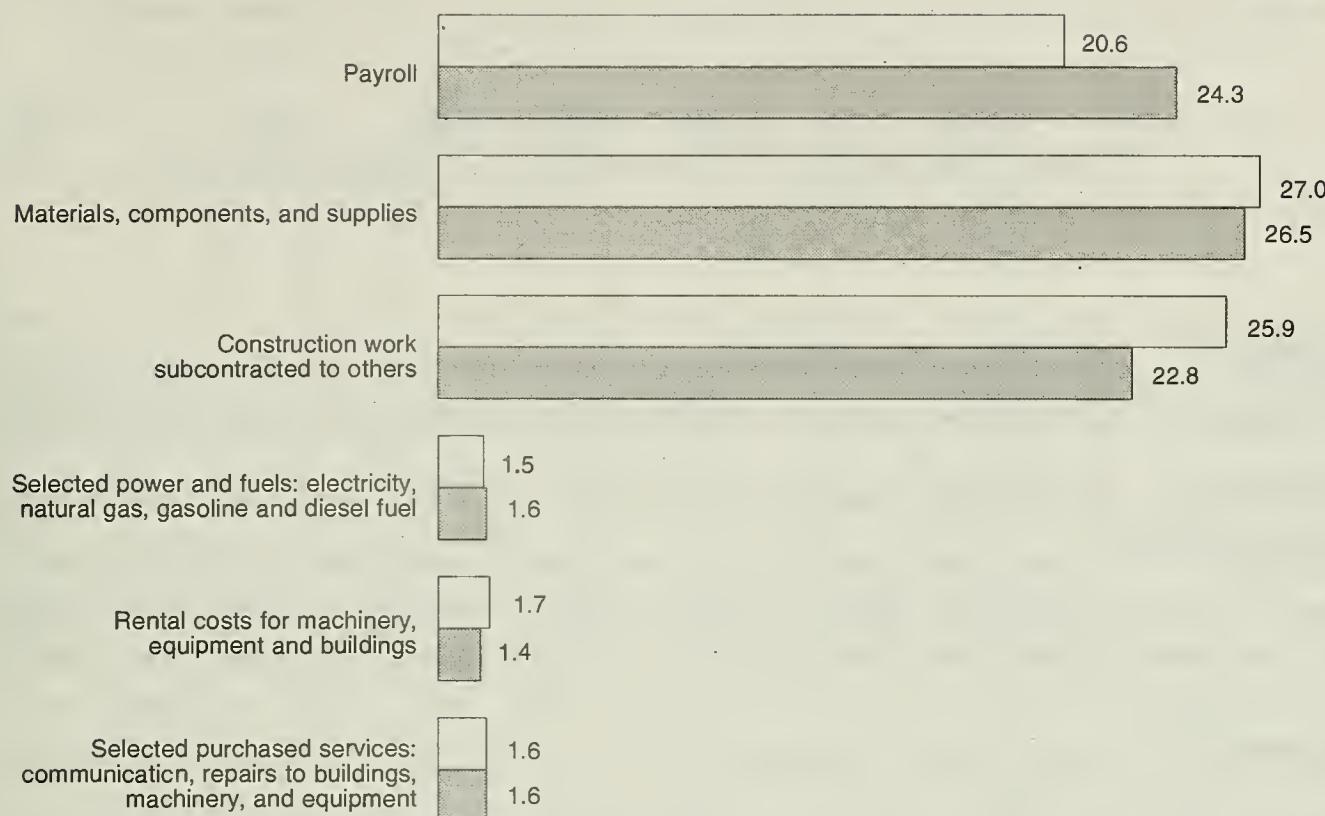


Figure 2. Value of Construction Work by Type of Construction
(Percent)

1987
1982

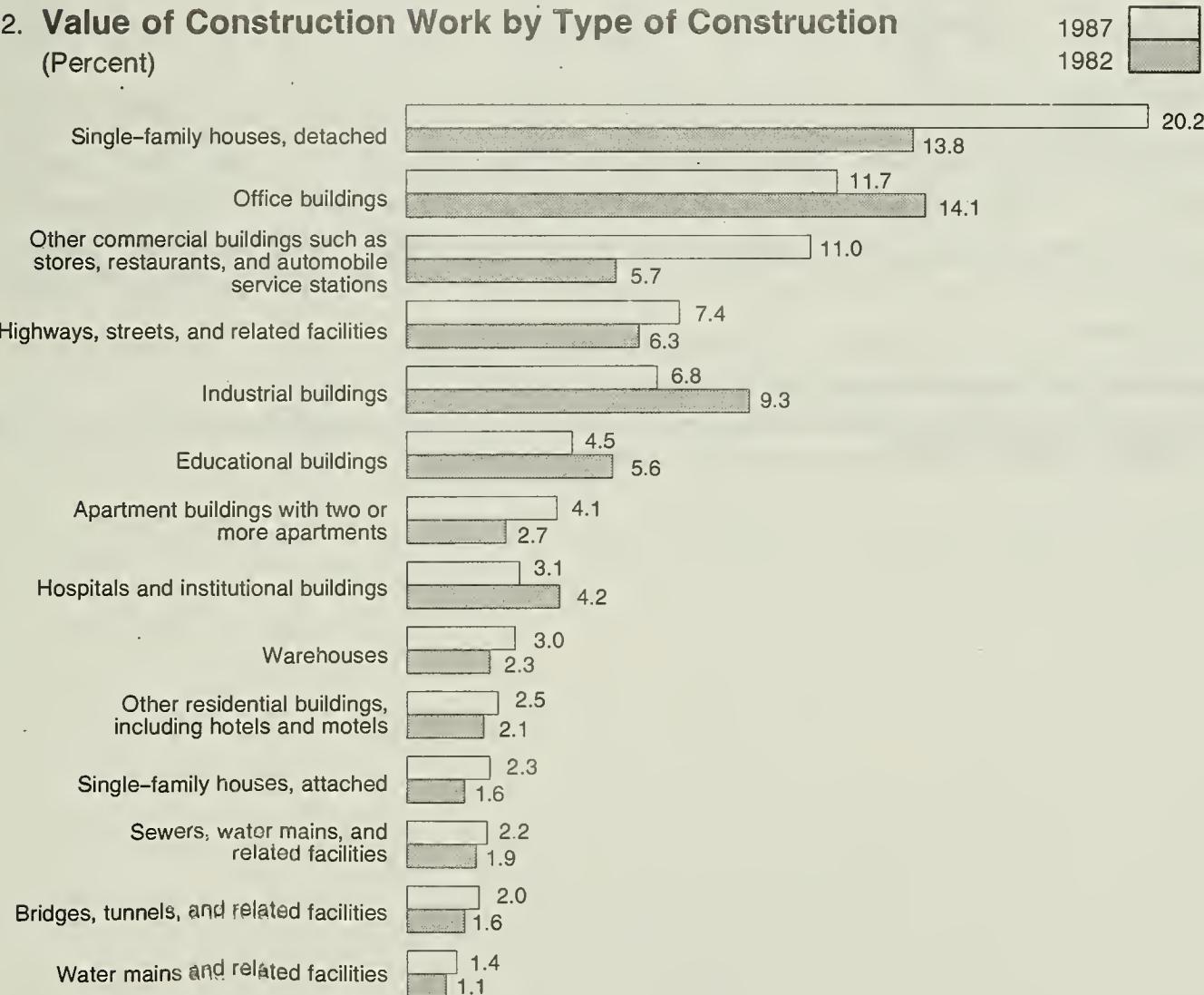


Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | All establishments | | | | Establishments without payroll | | | Establishments with payroll | | | | | Relative standard error of estimate (percent) for column— | |
|---------------------|--|--------------------|--|----------------------|--|--------------------------------|--|--|-----------------------------|--|----------------------|---|----|--|--|
| | | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done | Number | Propri- tors and working partners | Dollar value of business done | Number | Propri- tors and working partners | All em- ployees** | Dollar value of business done ¹ | J | | |
| | | A | B | C | D | E | F | G | H | I | J | K | J | K | |
| | 1987 | | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers ----- | 35 091 | 26 496 | 85 585 | 10 740 896 | 22 673 | 22 778 | 1 265 783 | 12 418 | 3 718 | 85 585 | 9 475 113 | 1 | 1 | |
| 15, 16, 17 | Construction industries ----- | 33 945 | 25 298 | 84 898 | 10 421 097 | 21 712 | 21 615 | 1 050 849 | 12 233 | 3 683 | 84 898 | 9 370 248 | 1 | 1 | |
| 15 | Building construction—General contractors and operative builders ----- | 10 785 | 7 250 | 25 307 | 4 661 988 | 6 372 | 6 056 | 525 337 | 4 413 | 1 194 | 25 307 | 4 136 651 | 2 | 2 | |
| 16 | Heavy construction other than building construction—contractors----- | 1 315 | 572 | 13 553 | 1 828 510 | 385 | 380 | 26 339 | 930 | 192 | 13 553 | 1 802 171 | 3 | 2 | |
| 17 | Special trade contractors ----- | 21 845 | 17 476 | 46 038 | 3 930 599 | 14 955 | 15 179 | 499 173 | 6 890 | 2 297 | 46 038 | 3 431 428 | 1 | 1 | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 2 081 | 1 308 | 8 404 | 830 700 | 984 | 968 | 48 749 | 1 097 | 340 | 8 404 | 781 951 | 2 | 2 | |
| 1731 | Electrical work----- | 1 786 | 1 076 | 8 564 | 696 962 | 874 | 868 | 43 923 | 912 | 208 | 8 564 | 653 039 | 2 | 2 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 1 135 | 1 191 | 674 | 319 787 | 961 | 1 163 | 214 934 | 174 | 28 | 674 | 104 853 | 16 | 15 | |
| | 1982 | | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers ----- | 28 999 | 22 803 | 77 690 | 7 696 606 | 18 512 | 18 972 | 686 565 | 10 487 | 3 831 | 77 690 | 7 010 041 | 1 | 1 | |
| 15, 16, 17 | Construction industries ----- | 28 263 | 22 042 | 77 281 | 7 595 525 | 17 925 | 18 222 | 612 730 | 10 338 | 3 820 | 77 281 | 6 982 795 | 1 | 1 | |
| 15 | Building construction—General contractors and operative builders ----- | 9 249 | 6 991 | 21 628 | 3 011 242 | 5 677 | 5 740 | 307 457 | 3 572 | 1 251 | 21 628 | 2 703 785 | 2 | 1 | |
| 16 | Heavy construction other than building construction—contractors----- | 1 660 | 1 080 | 16 356 | 1 762 621 | 943 | 942 | 30 604 | 717 | 138 | 16 356 | 1 732 017 | 1 | 1 | |
| 17 | Special trade contractors ----- | 17 354 | 13 971 | 39 297 | 2 821 662 | 11 305 | 11 540 | 274 669 | 6 049 | 2 431 | 39 297 | 2 546 993 | 1 | 1 | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 1 678 | 1 012 | 7 245 | 635 148 | 756 | 760 | 28 384 | 922 | 252 | 7 245 | 606 764 | 2 | 1 | |
| 1731 | Electrical work----- | 1 509 | 963 | 9 251 | 731 339 | 733 | 741 | 25 787 | 776 | 222 | 9 251 | 705 552 | 3 | 1 | |
| 6552 | Land subdividers and developers, n.e.c. ² ----- | 727 | 757 | 400 | 101 071 | 587 | 750 | 73 835 | 140 | 7 | 400 | 27 236 | 11 | 12 | |

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. **Summary Statistics by Size Class of Dollar Value of Business Done for Establishments With and Without Payroll : 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Receipts size | All establishments | | | | Establishments without payroll ¹ | | | Establishments with payroll | | | | Relative standard error of estimate (percent) for column — | |
|----------------------------|--------------------|----------------------------------|-----------------------------|-------------------------------|---|----------------------------------|-------------------------------|-----------------------------|----------------------------------|-----------------------------|--|--|------|
| | Number | Proprietors and working partners | All employees ^{**} | Dollar value of business done | Number | Proprietors and working partners | Dollar value of business done | Number | Proprietors and working partners | All employees ^{**} | Dollar value of business done ² | | |
| | A | B | C | D | E | F | G | H | I | J | K | J | K |
| 1987 | | | | | | | | | | | | | |
| The State | 35 091 | 26 496 | 85 585 | 10 740 896 | 22 673 | 22 778 | 1 265 783 | 12 418 | 3 718 | 85 585 | 9 475 113 | 1 | 1 |
| \$10,000,000 or more | 134 | 3 | 15 320 | (D) | 1 | 1 | (D) | 133 | 2 | 15 320 | 3 054 843 | (W) | 1 |
| \$5,000,000 to \$9,999,999 | 155 | 22 | 7 074 | 4 169 442 | 6 | 7 | 87 444 | 149 | 15 | 7 074 | 1 027 155 | 1 | 3 |
| \$2,500,000 to \$4,999,999 | 392 | 38 | 11 142 | 1 376 812 | 12 | 20 | 40 442 | 380 | 18 | 11 142 | 1 336 370 | 3 | 4 |
| \$1,000,000 to \$2,499,999 | 1 070 | 159 | 13 994 | 1 621 860 | 66 | 72 | 94 097 | 1 004 | 87 | 13 994 | 1 527 763 | 3 | 4 |
| \$500,000 to \$999,999 | 1 621 | 528 | 11 841 | 1 129 293 | 215 | 210 | 148 029 | 1 406 | 318 | 11 841 | 981 264 | 4 | 4 |
| \$250,000 to \$499,999 | 2 807 | 1 246 | 11 835 | 1 000 319 | 582 | 529 | 199 886 | 2 225 | 717 | 11 835 | 800 433 | 5 | 4 |
| \$100,000 to \$249,999 | (S) | (S) | (S) | (S) | 1 759 | 1 780 | 269 295 | (S) | (S) | (S) | (S) | (S) | (S) |
| \$50,000 to \$99,999 | (S) | (S) | (S) | (S) | 2 638 | 2 707 | 185 701 | (S) | (S) | (S) | (S) | (S) | (S) |
| \$25,000 to \$49,999 | (S) | (S) | (S) | (S) | 3 552 | 3 575 | 126 737 | (S) | (S) | (S) | (S) | (S) | (S) |
| Less than \$25,000 | (S) | (S) | (S) | (S) | 13 842 | 13 877 | 114 150 | (S) | (S) | (S) | (S) | (S) | (S) |
| \$10,000 to \$24,999 | (NA) | (NA) | (NA) | (NA) | 4 825 | 4 828 | 79 952 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 | (NA) | (NA) | (NA) | (NA) | 2 953 | 2 978 | 21 405 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,000 to \$4,999 | (NA) | (NA) | (NA) | (NA) | 2 240 | 2 248 | 8 148 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,000 | (NA) | (NA) | (NA) | (NA) | 3 624 | 3 823 | 4 645 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | | | | | | |
| The State | 28 999 | 22 803 | 77 690 | 7 696 606 | 18 512 | 18 972 | 686 565 | 10 487 | 3 831 | 77 690 | 7 010 041 | 1 | 1 |
| \$10,000,000 or more | 102 | 26 | 21 149 | (D) | 1 | — | (D) | 101 | 26 | 21 149 | 2 956 739 | (W) | (W) |
| \$5,000,000 to \$9,999,999 | 121 | 14 | 6 940 | 3 798 664 | 3 | 4 | 31 902 | 118 | 10 | 6 940 | 810 023 | (W) | (W) |
| \$2,500,000 to \$4,999,999 | 220 | 20 | 6 963 | 760 433 | 8 | 8 | 46 732 | 212 | 12 | 6 963 | 733 543 | (W) | (W) |
| \$1,000,000 to \$2,499,999 | 616 | 65 | 10 714 | 955 183 | 26 | 34 | 39 206 | 590 | 31 | 10 714 | 915 977 | 2 | 3 |
| \$500,000 to \$999,999 | 877 | 198 | 7 919 | 600 273 | 74 | 82 | 51 032 | 803 | 116 | 7 919 | 549 241 | 4 | 4 |
| \$250,000 to \$499,999 | 1 589 | 587 | 8 225 | 555 023 | 229 | 228 | 78 281 | 1 360 | 359 | 8 225 | 476 742 | 4 | 4 |
| \$100,000 to \$249,999 | 3 354 | 2 058 | 8 076 | 522 873 | 992 | 1 075 | 148 278 | 2 362 | 983 | 8 076 | 374 595 | 4 | 4 |
| \$50,000 to \$99,999 | 3 428 | 2 664 | 3 516 | 243 506 | 1 737 | 1 862 | 120 329 | 1 691 | 802 | 3 516 | 123 177 | 6 | 4 |
| \$25,000 to \$49,999 | 4 017 | 3 381 | 2 010 | 141 651 | 2 710 | 2 815 | 94 309 | 1 307 | 566 | 2 010 | 47 342 | 7 | 5 |
| Less than \$25,000 | 14 673 | 13 788 | 2 176 | 118 998 | 12 732 | 12 864 | 96 338 | 1 941 | 924 | 2 176 | 22 660 | 4 | 4 |
| \$10,000 to \$24,999 | (NA) | (NA) | (NA) | (NA) | 4 078 | 4 169 | 65 205 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$5,000 to \$9,999 | (NA) | (NA) | (NA) | (NA) | 2 876 | 2 884 | 19 514 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| \$2,500 to \$4,999 | (NA) | (NA) | (NA) | (NA) | 3 169 | 3 176 | 9 010 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Less than \$2,500 | (NA) | (NA) | (NA) | (NA) | 2 609 | 2 635 | 2 609 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

¹For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

²For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | 1987 | | | | | | | | |
|---------------------|--|----------------------------------|-------------|-------------------------|------------------|-------------------------|---|----------------------------------|---------------------------------------|--|
| | | Number of establish- ments | Employees** | | Payroll | | Construction worker hours (thousands) | Value of construction work | Net value of construction work† | |
| | | | All | Construction workers | All employees | Construction workers | | | | |
| A | B | C | D | E | | F | G | H | | |
| | Construction industries and land subdividers and developers | 12 418 | 85 585 | 66 707 | 1 948 713 | 1 407 909 | 103 843 | 9 149 222 | 6 693 759 | |
| 15, 16, 17 | Construction industries: | | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | |
| 1521 | Single-family houses | 2 595 | 8 318 | 6 571 | 122 939 | 91 721 | 8 163 | 753 601 | 517 739 | |
| 1522 | Other residential buildings | 228 | 1 586 | 1 208 | 29 770 | 20 726 | 1 651 | 258 313 | 136 693 | |
| 1531 | Operative builders | 460 | 2 476 | 1 268 | 52 536 | 20 080 | 2 185 | 600 398 | 317 183 | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 144 | 1 878 | 1 370 | 50 627 | 32 633 | 2 291 | 329 949 | 163 555 | |
| 1542 | Nonresidential buildings, n.e.c. | 986 | 11 049 | 8 361 | 279 459 | 196 794 | 13 749 | 2 041 106 | 953 793 | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | |
| 1611 | Highway and street construction | 226 | 4 599 | 3 705 | 138 944 | 100 638 | 6 457 | 603 218 | 484 293 | |
| 162 | Heavy construction, except highway: | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 27 | 827 | 680 | 19 330 | 13 903 | 1 242 | 126 006 | 84 144 | |
| 1623 | Water, sewer, and utility lines | 275 | 3 143 | 2 578 | 81 804 | 61 573 | 4 334 | 355 794 | 301 863 | |
| 1629 | Heavy construction, n.e.c. | 402 | 4 984 | 4 006 | 158 091 | 110 008 | 7 323 | 672 952 | 572 612 | |
| 17 | Special trade contractors: | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 1 097 | 8 404 | 6 219 | 211 658 | 154 341 | 10 429 | 756 797 | 671 183 | |
| 1721 | Painting and paper hanging | 609 | 3 023 | 2 476 | 54 975 | 42 621 | 3 840 | 156 752 | 147 713 | |
| 1731 | Electrical work | 912 | 8 564 | 6 596 | 223 476 | 163 396 | 10 976 | 638 499 | 617 769 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 338 | 1 300 | 1 138 | 26 656 | 21 392 | 1 637 | 95 384 | 90 912 | |
| 1742 | Plastering, drywall, and insulation work | 547 | 5 785 | 4 889 | 120 145 | 95 351 | 6 496 | 337 577 | 317 244 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 83 | 388 | 295 | 8 427 | 6 296 | 457 | 37 573 | 33 628 | |
| 175 | Carpentry and floor work: | | | | | | | | | |
| 1751 | Carpentry | 694 | 2 501 | 2 062 | 41 655 | 30 779 | 2 622 | 143 591 | 129 241 | |
| 1752 | Floor laying and other floor work | 267 | 1 045 | 818 | 18 748 | 13 583 | 1 051 | 74 921 | 69 503 | |
| 1761 | Roofing, siding, and sheet metal work | 616 | 4 480 | 3 651 | 83 454 | 63 552 | 5 448 | 323 387 | 305 621 | |
| 1771 | Concrete work | 553 | 3 348 | 2 857 | 58 447 | 45 034 | 4 229 | 224 176 | 212 386 | |
| 1781 | Water well drilling | 88 | 365 | 284 | 8 027 | 5 948 | 467 | 36 127 | 35 658 | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | |
| 1791 | Structural steel erection | 60 | 975 | 799 | 25 136 | 20 367 | 1 376 | 81 263 | 75 927 | |
| 1793 | Glass and glazing work | 184 | 1 022 | 704 | 19 738 | 13 263 | 1 051 | 75 468 | 74 359 | |
| 1794 | Excavation work | 278 | 1 519 | 1 267 | 36 328 | 29 139 | 2 158 | 137 725 | 127 733 | |
| 1795 | Wrecking and demolition work | 22 | 262 | 196 | 5 881 | 3 939 | 217 | 19 033 | 18 110 | |
| 1796 | Installing building equipment, n.e.c. | 88 | 716 | 576 | 22 555 | 17 383 | 1 068 | 66 422 | 63 209 | |
| 1799 | Special trade contractors, n.e.c. | 454 | 2 341 | 1 887 | 38 428 | 29 621 | 2 580 | 135 274 | 128 265 | |
| 6552 | Land subdividers and developers, n.e.c. | 174 | 674 | 224 | 11 467 | 3 818 | 333 | 67 904 | 43 412 | |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

1987--Con.

1982

| Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted to others | Rental cost of machinery, equipment, and buildings | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees** | Total construction receipts ¹ | Value added†† | Relative standard error of estimate (percent) for column— | | | 1987 SIC code |
|--|--|---|--|--|--|--|--|---|---|----------------------------|---------------------------------|---|
| | | | | | | | | | B | H | M | |
| I | J | K | L | M | N | O | P | Q | B | H | M | |
| 4 197 508 | 2 698 214 | 2 455 463 | 163 724 | 132 103 | 1 146 463 | 77 690 | 6 834 101 | 3 396 250 | 1 | 1 | 3 | 15, 16, 17 |
| | | | | | | | | | | | | 15 |
| 285 585 79 291 | 244 759 63 858 | 235 862 121 620 | 5 623 1 937 | 7 542 1 723 | 56 968 *31 381 | 7 198 561 | 507 511 78 122 | 215 374 17 815 | 4 9 | 4 8 | 12 24 | 152 1521 1522 |
| 159 547 | 164 664 | 283 215 | 3 379 | 4 117 | 61 770 | 2 353 | 309 814 | 144 659 | 6 | 7 | 18 | 1531 |
| 97 038 606 002 | 72 943 376 269 | 166 393 1 087 312 | 4 254 17 442 | 1 420 8 036 | 20 745 96 915 | 2 233 9 283 | 293 383 1 440 864 | 82 364 344 806 | 5 3 | 6 2 | 15 7 | 1541 1542 |
| | | | | | | | | | | | | 16 |
| 339 452 | 173 775 | 118 925 | 26 155 | 17 588 | 187 095 | 4 212 | 389 952 | 205 761 | 3 | 2 | 7 | 1611 |
| 49 229 196 174 367 384 | 36 383 110 800 213 915 | 41 862 53 930 100 339 | 1 540 14 476 21 099 | 4 098 12 033 21 451 | 15 465 106 282 151 755 | 1 137 3 150 7 857 | 111 758 228 019 972 283 | 53 326 125 730 692 973 | 25 4 6 | 12 3 5 | 29 10 9 | 162 1622 1629 |
| | | | | | | | | | | | | 17 |
| 417 152 | 279 184 | 85 614 | 11 326 | 9 106 | 71 505 | 7 245 | 586 535 | 303 615 | 2 | 3 | 11 | 1711 |
| 115 693 | 34 880 | 9 039 | 2 926 | 3 773 | 24 586 | 1 911 | 75 133 | 54 293 | 6 | 5 | 22 | 1721 |
| 374 240 | 258 069 | 20 729 | 11 336 | 8 879 | 64 132 | 9 251 | 696 125 | 444 937 | 2 | 2 | 10 | 1731 |
| 53 232 206 674 18 875 | 37 880 123 345 (D) | 4 471 20 333 (S) | 1 298 4 891 366 | 1 162 4 299 134 | 9 427 25 186 2 028 | 1 236 4 197 410 | 48 465 228 258 18 439 | 27 976 147 464 9 353 | 7 4 16 | 7 3 18 | 28 10 11 | 174 1741 1742 |
| 85 452 37 435 | 48 559 34 243 | 14 350 5 417 | 1 411 1 308 | 1 672 980 | 11 237 6 003 | 2 068 756 | 74 868 43 873 | 36 311 23 178 | 6 13 | 6 10 | 21 22 | 175 1751 1752 |
| 179 254 | 130 357 | 17 766 | 5 200 | 3 621 | 34 691 | 3 254 | 215 688 | 135 648 | 5 | 4 | 16 | 1761 |
| 142 499 | 72 117 | 11 790 | 6 131 | 3 700 | 32 250 | 2 264 | 112 207 | 69 008 | 6 | 5 | 16 | 1771 |
| 22 904 | 13 116 | 468 | 700 | 1 168 | 15 568 | 334 | 19 374 | 11 782 | 9 | 9 | 33 | 1781 |
| 50 030 38 252 95 382 16 030 41 416 88 358 | (D) 42 408 34 865 (D) 25 002 47 446 | 5 335 1 109 9 991 923 3 213 7 008 | 2 600 1 595 11 689 1 107 935 2 175 | 660 539 8 978 1 145 434 2 938 | 5 670 6 282 54 702 8 856 5 607 17 690 | 772 665 2 291 166 770 1 707 | 46 172 44 127 142 084 8 105 61 852 65 011 | 36 059 25 220 89 554 7 349 42 783 38 836 | 8 9 7 16 7 8 | 5 9 7 3 2 7 | 36 35 20 6 28 24 | 179 1791 1794 1795 1796 1799 |
| 34 919 | 13 804 | 24 492 | 812 | *894 | *22 657 | 400 | 16 070 | 10 065 | 16 | 16 | 69 | 6552 |

Table 4. Detailed Statistics for Establishments With Payroll: 1987 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | 1977 | 1972 | Relative standard error of estimate (percent) | | | |
|---|-----------|-----------|-----------|-----------|---|------|------|------|
| | | | | | 1987 | 1982 | 1977 | 1972 |
| Number of establishments in business during year | 12 418 | 10 487 | 11 379 | 8 195 | 1 | 2 | 2 | 3 |
| Proprietors and working partners | 3 718 | 3 831 | 7 188 | 5 429 | 4 | 4 | 4 | 4 |
| All employees** | 85 585 | 77 690 | 84 829 | 61 863 | 1 | 1 | 1 | 2 |
| Construction workers: | | | | | | | | |
| March | 60 998 | 58 533 | 61 633 | 43 156 | 1 | 1 | 1 | 2 |
| May | 65 747 | 60 912 | 72 712 | 50 937 | 1 | 1 | 1 | 2 |
| August | 72 856 | 63 606 | 79 011 | 60 228 | 1 | 1 | 1 | 2 |
| November | 67 229 | 56 809 | 74 313 | 51 557 | 1 | 1 | 1 | 2 |
| 'Average | 66 707 | 61 087 | 71 978 | 52 347 | 1 | 1 | 1 | 2 |
| Other employees: | | | | | | | | |
| March | 18 309 | 16 450 | 12 522 | 9 178 | 1 | 1 | 1 | 2 |
| May | 18 581 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| August | 19 136 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| November | 19 484 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Average | 18 877 | (NA) | (NA) | (NA) | 1 | (NA) | (NA) | (NA) |
| Construction worker hours (thousands): | | | | | | | | |
| January to March | 22 685 | 21 856 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| April to June | 25 975 | 22 832 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| July to September | 28 770 | 23 818 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| October to December | 26 412 | 20 941 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| Total hours worked | 103 843 | 89 448 | (NA) | (NA) | 1 | 1 | (NA) | (NA) |
| Payroll, all employees | 1 948 713 | 1 703 642 | 1 214 643 | 646 844 | 1 | 1 | 1 | 2 |
| Payroll, construction workers | 1 407 909 | 1 315 192 | 993 098 | 535 553 | 1 | 1 | 1 | 2 |
| Payroll, other employees | 540 803 | 388 449 | 221 545 | 111 291 | 1 | 1 | 1 | 2 |
| First quarter payroll, all employees | 428 157 | 416 192 | 256 043 | (NA) | 1 | 1 | 1 | (NA) |
| Employer costs for fringe benefits, all employees | 467 915 | 317 295 | 261 295 | (NA) | 1 | 1 | 1 | (NA) |
| Legally required expenditures | 323 399 | 249 769 | 151 825 | (NA) | 1 | 1 | 1 | (NA) |
| Voluntary expenditures | 144 515 | 67 525 | 109 470 | (NA) | 1 | 1 | (W) | (NA) |
| Dollar value of business done | 9 475 113 | 7 010 041 | 5 200 680 | 2 534 313 | 1 | 1 | 1 | 2 |
| Value of construction work ¹ | 9 149 222 | 6 834 101 | 4 961 221 | 2 449 475 | 1 | 1 | 1 | 2 |
| Value of construction work subcontracted in from others | 2 227 684 | 1 452 953 | 1 234 436 | 479 891 | 2 | 1 | 1 | 3 |
| Land receipts ² | 123 926 | 51 249 | (NA) | (NA) | 8 | 4 | (NA) | (NA) |
| Other business receipts | 201 964 | 124 690 | 239 458 | 84 838 | 4 | 2 | 2 | 3 |
| Net value of construction† | 6 693 759 | 5 239 452 | 3 884 778 | 1 831 582 | 1 | 1 | 1 | 2 |
| Value added†† | 4 197 508 | 3 396 250 | 2 304 719 | 1 150 496 | 1 | 1 | 1 | 2 |
| Selected costs | 5 153 677 | 3 562 541 | 2 803 760 | 1 355 070 | 1 | 1 | 1 | 2 |
| Materials, components, and supplies ³ | 2 555 229 | 1 854 343 | 1 643 648 | 737 177 | 1 | 1 | 1 | 2 |
| Construction work subcontracted to others | 2 455 463 | 1 594 648 | 1 076 443 | 617 893 | 2 | 1 | 1 | 3 |
| Selected power, fuels, and lubricants | 142 985 | 113 548 | 83 669 | (NA) | 1 | 1 | 1 | (NA) |
| Electricity | 19 230 | 17 088 | 8 485 | (NA) | 2 | 2 | 2 | (NA) |
| Natural gas | 4 136 | 3 371 | 4 254 | (NA) | 4 | 2 | 3 | (NA) |
| Gasoline and diesel fuel | 110 533 | 85 739 | 58 546 | (NA) | 2 | 2 | 1 | (NA) |
| On highway use | 78 827 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Off highway use | 31 705 | (NA) | (NA) | (NA) | 2 | (NA) | (NA) | (NA) |
| Other, including lubricating oils and greases | 9 085 | 7 349 | 12 388 | (NA) | 3 | 2 | 2 | (NA) |
| Rental cost for machinery, equipment, and buildings | 163 724 | 100 001 | 75 814 | (NA) | 2 | 1 | 1 | (NA) |
| For machinery and equipment | 116 310 | 74 302 | 64 458 | 40 205 | 2 | 1 | 1 | 2 |
| For buildings | 47 414 | 25 699 | 11 356 | (NA) | 3 | 2 | 2 | (NA) |
| Selected purchased services | 148 712 | 110 243 | 95 712 | (NA) | 2 | 1 | 1 | (NA) |
| Communication services | 40 749 | 26 570 | 19 058 | (NA) | 2 | 2 | 3 | (NA) |
| Repairs to buildings and other structures | 6 556 | 4 609 | 4 311 | (NA) | 5 | 4 | 4 | (NA) |
| Repairs to machinery and equipment | 101 406 | 79 063 | 72 343 | (NA) | 2 | 1 | 1 | (NA) |
| Ownership of construction projects: | | | | | | | | |
| Value of construction work | 9 149 222 | 6 834 101 | 4 961 221 | 2 449 475 | 1 | 1 | 1 | 2 |
| Government owned | 2 413 716 | 2 031 561 | 1 375 026 | 1 035 675 | 2 | 1 | 1 | 2 |
| Federal | 706 906 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| State and local | 1 706 810 | (NA) | (NA) | (NA) | 3 | (NA) | (NA) | (NA) |
| Privately owned | 6 735 505 | 4 802 539 | 3 586 196 | 1 413 800 | 1 | 1 | 1 | 3 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Land Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

³For 1972, includes data for power, fuels, and lubricants.

Table 5. **Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1987 and 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) | |
|--|-----------|-----------|---|------|
| | | | 1987 | 1982 |
| BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT | | | | |
| Beginning-of-year gross book value of depreciable assets | 1 063 253 | 1 174 607 | 3 | 2 |
| Capital expenditures, other than land | 132 103 | 101 177 | 3 | 2 |
| New | 85 551 | 66 796 | 3 | 1 |
| Used | 46 551 | 34 380 | 5 | 4 |
| Retirements and disposition of depreciable assets | 48 892 | 74 358 | 6 | 1 |
| End-of-year gross book value of depreciable assets | 1 146 463 | 1 201 425 | 3 | 2 |
| Depreciation charges during year | 136 471 | 146 578 | 2 | 2 |
| Buildings and Other Structures, Additions, and Related Facilities | | | | |
| Beginning-of-year gross book value of depreciable assets | 194 926 | 177 778 | 10 | 3 |
| Capital expenditures, other than land | 14 082 | 11 900 | 9 | 5 |
| New buildings and other structures | 9 044 | 9 146 | 8 | 3 |
| Used buildings and other structures | 5 038 | 2 753 | 19 | 20 |
| Retirements and disposition of depreciable assets | 8 087 | 10 873 | 28 | 4 |
| End-of-year gross book value of depreciable assets | 200 921 | 178 804 | 9 | 3 |
| Depreciation charges during year | 13 976 | 16 272 | 5 | 5 |
| Machinery and Equipment | | | | |
| Beginning-of-year gross book value of depreciable assets | 868 327 | 996 828 | 3 | 2 |
| Capital expenditures, other than land | 118 020 | 89 277 | 3 | 2 |
| New machinery and equipment, including automobiles and trucks | 76 506 | 57 650 | 4 | 2 |
| New automobiles and trucks, intended primarily for highway use | 40 520 | 19 727 | 5 | 4 |
| Used machinery and equipment, including automobiles and trucks | 41 513 | 31 627 | 5 | 3 |
| Retirements and disposition of depreciable assets | 40 805 | 63 485 | 4 | 1 |
| End-of-year gross book value of depreciable assets | 945 542 | 1 022 621 | 3 | 2 |
| Depreciation charges during year | 122 495 | 130 306 | 2 | 2 |

Table 6. **Value of Inventories for Establishments With Payroll: 1987 and 1986**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Item | Establishments with payroll | Relative standard error of estimate (percent) |
|-------------------------------------|-----------------------------|---|
| All establishments: | | |
| Number | 12 418 | 1 |
| Value of construction work | 9 149 222 | 1 |
| Establishments with inventories: | | |
| Number | 4 527 | 3 |
| Value of construction work | 4 149 927 | 2 |
| Inventories ¹ : | | |
| End of 1987, materials and supplies | 102 025 | 6 |
| End of 1986, materials and supplies | 88 832 | 5 |
| Establishments with no inventories: | | |
| Number | 5 856 | 3 |
| Value of construction work | 3 388 328 | 2 |
| Establishments not reporting: | | |
| Number | 2 035 | 5 |
| Value of construction work | 1 610 967 | 3 |

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with an average of— | | | | | | | | | 1,000 employees or more |
|---|-----------|------------------------------------|------------------|--------------------|--------------------|--------------------|----------------------|----------------------|----------------------|-----|-------------------------|
| | | 1 to 4 employees | 5 to 9 employees | 10 to 19 employees | 20 to 49 employees | 50 to 99 employees | 100 to 249 employees | 250 to 499 employees | 500 to 999 employees | | |
| 1987 | | | | | | | | | | | |
| Number of establishments | 12 418 | (S) | 2 323 | 1 199 | 602 | 139 | 51 | 14 | 2 | | - |
| All employees** | 85 585 | (S) | 14 829 | 15 808 | 17 615 | 9 362 | 7 395 | 5 378 | (D) | | - |
| Payroll, all employees | 1 948 713 | (S) | 262 788 | 346 434 | 455 754 | 274 752 | 223 670 | 165 547 | (D) | | - |
| Construction worker hours (thousands) | 103 843 | (S) | 14 873 | 18 770 | 22 706 | 12 467 | 10 386 | 7 539 | (D) | | - |
| Dollar value business done | 9 475 113 | (S) | 1 195 834 | 1 541 351 | 2 056 671 | 1 269 478 | 1 039 850 | 849 114 | (D) | | - |
| Value of construction work ¹ | 9 149 222 | (S) | 1 147 967 | 1 483 960 | 1 983 987 | 1 227 921 | 1 858 925 | (D) | (D) | | - |
| Net value of construction work ¹ | 6 693 759 | (S) | 897 793 | 1 130 124 | 1 457 388 | 831 762 | 712 573 | 582 932 | (D) | | - |
| Value added†† | 4 197 508 | (S) | 544 632 | 722 196 | 940 684 | 997 491 | (D) | 339 105 | (D) | | - |
| Cost of materials, components, supplies, and fuels | 2 698 214 | (S) | 380 290 | 448 191 | 564 392 | 339 744 | 505 077 | (D) | (D) | | - |
| Cost of construction work subcontracted to others | 2 455 463 | (S) | 250 174 | 353 835 | 526 599 | 396 159 | 563 420 | (D) | (D) | | - |
| Rental cost for machinery, equipment, and buildings | 163 724 | (S) | 23 978 | 27 074 | 35 534 | 19 846 | 24 724 | 14 984 | (D) | | - |
| Capital expenditures, other than land | 132 103 | (S) | 23 213 | 24 529 | 28 904 | 12 551 | 19 650 | 1 116 | (D) | | - |
| End-of-year gross book value of depreciable assets | 1 146 463 | (S) | 156 122 | 229 533 | 239 253 | 127 362 | 186 748 | 12 535 | (D) | | - |
| 1982 | | | | | | | | | | | |
| All employees** | 77 690 | 13 232 | 10 731 | 11 313 | 13 443 | 7 172 | 9 210 | 5 725 | 6 864 | (D) | |
| Value of construction work ¹ | 6 834 101 | 723 273 | 691 923 | 806 996 | 1 275 570 | 814 825 | 1 051 433 | 628 881 | 841 199 | (D) | |
| Value added†† | 3 396 250 | 341 094 | 354 696 | 402 969 | 595 365 | 369 384 | 486 961 | 252 716 | 593 065 | (D) | |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | |
| All employees** | 1 | (S) | 4 | 3 | 3 | 1 | (W) | (W) | (W) | (D) | - |
| Net value of construction work ¹ | 1 | (S) | 4 | 3 | 2 | (W) | (W) | (W) | (W) | (D) | - |
| Capital expenditures, other than land | 3 | (S) | 12 | 7 | 7 | 1 | (W) | (W) | (W) | (D) | - |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 8. Selected Statistics by Size Class of Dollar Value of Business Done for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Selected statistics | Total | Establishments with dollar value of business done— | | | | | | | | | | \$10,000,000 or more |
|---|-----------|--|----------------------|----------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|----------------------------|-----------|----------------------|
| | | Less than \$25,000 | \$25,000 to \$49,999 | \$50,000 to \$99,999 | \$100,000 to \$249,999 | \$250,000 to \$499,999 | \$500,000 to \$999,999 | \$1,000,000 to \$2,499,999 | \$2,500,000 to \$4,999,999 | \$5,000,000 to \$9,999,999 | | |
| 1987 | | | | | | | | | | | | |
| Number of establishments | 12 418 | (S) | (S) | (S) | (S) | 2 225 | 1 406 | 1 004 | 380 | 149 | 133 | |
| All employees** | 85 585 | (S) | (S) | (S) | (S) | 11 835 | 11 841 | 13 994 | 11 142 | 7 074 | 15 320 | |
| Payroll, all employees | 1 948 713 | (S) | (S) | (S) | (S) | 196 025 | 225 261 | 334 751 | 294 713 | 213 962 | 511 796 | |
| Construction worker hours (thousands) | 103 843 | (S) | (S) | (S) | (S) | 13 333 | 13 143 | 16 976 | 14 003 | 9 731 | 21 957 | |
| Dollar value of business done | 9 475 113 | (S) | (S) | (S) | (S) | 800 433 | 981 264 | 1 527 763 | 1 336 370 | 1 027 155 | 3 054 843 | |
| Value of construction work ¹ | 9 149 222 | (S) | (S) | (S) | (S) | 777 170 | 944 189 | 1 443 346 | 1 302 196 | 989 523 | 2 965 364 | |
| Net value of construction work ¹ | 6 693 759 | (S) | (S) | (S) | (S) | 657 141 | 761 919 | 1 088 860 | 988 446 | 697 741 | 1 853 209 | |
| Value added†† | 4 197 508 | (S) | (S) | (S) | (S) | 400 762 | 462 509 | 702 021 | 629 192 | 431 253 | 1 169 517 | |
| Cost of materials, components, supplies, and fuels | 2 698 214 | (S) | (S) | (S) | (S) | 273 126 | 320 741 | 437 887 | 382 982 | 284 264 | 739 594 | |
| Cost of construction work subcontracted to others | 2 455 463 | (S) | (S) | (S) | (S) | 120 028 | 182 269 | 354 485 | 313 749 | 291 782 | 1 112 155 | |
| Rental cost for machinery, equipment, and buildings | 163 724 | (S) | (S) | (S) | (S) | 15 707 | 16 562 | 24 821 | 22 221 | 22 138 | 49 584 | |
| Capital expenditures, other than land | 132 103 | (S) | (S) | (S) | (S) | 15 065 | 19 717 | 23 597 | 17 224 | 10 563 | 29 479 | |
| End-of-year gross book value of depreciable assets | 1 146 463 | (S) | (S) | (S) | (S) | 118 718 | 124 520 | 211 129 | 177 896 | 77 349 | 308 860 | |
| 1982 | | | | | | | | | | | | |
| All employees** | 77 690 | 2 176 | 2 010 | 3 516 | 8 076 | 8 225 | 7 919 | 10 714 | 6 963 | 6 940 | 21 149 | |
| Value of construction work ¹ | 6 834 101 | 22 008 | 46 718 | 120 563 | 364 828 | 460 116 | 533 361 | 880 260 | 708 324 | 782 721 | 2 915 198 | |
| Value added†† | 3 396 250 | 11 155 | 24 080 | 63 269 | 192 215 | 236 447 | 274 748 | 441 630 | 350 135 | 365 079 | 1 437 488 | |
| 1987 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT) | | | | | | | | | | | | |
| All employees** | 1 | (S) | (S) | (S) | (S) | 5 | 4 | 3 | 3 | 1 | (W) | |
| Net value of construction work ¹ | 1 | (S) | (S) | (S) | (S) | 4 | 4 | 3 | 4 | 2 | (W) | |
| Capital expenditures, other than land | 3 | (S) | (S) | (S) | (S) | 12 | 11 | 9 | 11 | 7 | (W) | |

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

Table 9. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|--|---|------------------|--|------------------------|---|-------------|-------------|-------------|
| | Total | New construction | Additions, alterations, or reconstruction ² | Maintenance and repair | | | | |
| | | | | | A | B | C | D |
| 1987 | | | | | | | | |
| Value of construction work¹ | 9 149 222 | 6 067 172 | 1 890 244 | 770 161 | 1 | 1 | 2 | 2 |
| Building construction | 6 637 290 | 4 593 530 | 1 458 905 | 542 455 | 1 | 1 | 3 | 3 |
| Single-family houses | 2 054 955 | 1 536 299 | 364 115 | 154 540 | 3 | 3 | 4 | 6 |
| Single-family houses, detached | 1 843 661 | 1 377 134 | 329 254 | 137 271 | 3 | 4 | 5 | 6 |
| Single-family houses, attached | 211 294 | 159 165 | 34 861 | 17 269 | 9 | 11 | 16 | 12 |
| Apartment buildings with two or more apartments | 373 861 | 291 996 | 36 313 | 45 551 | 4 | 5 | 10 | 5 |
| Other residential buildings, including hotels and motels | 226 368 | 147 304 | 59 455 | 19 608 | 4 | 5 | 10 | 9 |
| Hotels and motels | 120 691 | 82 768 | 27 355 | 10 567 | 3 | 4 | 3 | 7 |
| Other residential buildings, excluding hotels and motels | 105 677 | 64 536 | 32 100 | 9 041 | 8 | 10 | 18 | 16 |
| Office buildings | 1 067 848 | 764 046 | 233 323 | 70 478 | 2 | 1 | 4 | 5 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 1 003 229 | 692 249 | 232 227 | 78 752 | 3 | 3 | 6 | 5 |
| Industrial buildings and warehouses | 898 447 | 593 300 | 207 217 | 97 929 | 3 | 3 | 9 | 3 |
| Industrial buildings | 619 414 | 361 492 | 176 033 | 81 888 | 4 | 4 | 11 | 3 |
| Warehouses | 279 033 | 231 808 | 31 184 | 16 041 | 3 | 3 | 5 | 7 |
| Religious buildings | 66 770 | 37 275 | 21 843 | 7 651 | 9 | 15 | 10 | 8 |
| Educational buildings | 408 271 | 231 258 | 152 486 | 24 526 | 5 | 5 | 8 | 12 |
| Hospitals and institutional buildings | 285 685 | 171 334 | 96 055 | 18 295 | 3 | 3 | 4 | 10 |
| Farm buildings | 16 394 | 10 449 | 4 240 | 1 705 | 22 | 27 | 30 | 21 |
| Amusement, social, and recreational buildings | 55 027 | 36 567 | 13 831 | 4 628 | 5 | 5 | 15 | 5 |
| Other nonresidential buildings | 138 028 | 81 449 | 37 793 | 18 786 | 6 | 2 | 19 | 4 |
| Land development for buildings | 42 401 | (NA) | (NA) | (NA) | 19 | (NA) | (NA) | (NA) |
| Nonbuilding construction | 2 132 689 | 1 473 642 | 431 339 | 227 706 | 2 | 2 | 2 | 3 |
| Highways, streets, and related facilities | 673 076 | 413 302 | 200 253 | 59 519 | 2 | 2 | 3 | 6 |
| Outdoor swimming pools | 7 775 | 6 247 | *278 | (S) | 30 | 31 | 47 | (S) |
| Parking areas including private driveways | 54 207 | 36 921 | 8 254 | 9 031 | 9 | 9 | 19 | 21 |
| Fencing | 26 314 | 21 460 | 3 069 | 1 784 | 25 | 26 | 40 | 25 |
| Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts | *57 656 | *46 265 | *6 147 | *5 243 | 42 | 44 | 60 | 56 |
| Bridges, tunnels, and elevated highways | 181 987 | 148 317 | 26 098 | 7 571 | 8 | 10 | 8 | 14 |
| Tunnels | 42 009 | 37 152 | (D) | (D) | 1 | 1 | (D) | (D) |
| Bridges and elevated highways | 139 978 | 111 165 | (D) | (D) | 11 | 14 | (D) | (D) |
| Dam and reservoir construction | 48 863 | 44 176 | 2 295 | 2 391 | 4 | 3 | 16 | 8 |
| Marine construction | 38 553 | 17 115 | 6 590 | 14 847 | 4 | 1 | 4 | 10 |
| Harbor and port facilities | 41 412 | 25 935 | 6 792 | 8 684 | 3 | 3 | 4 | 3 |
| Conservation and development construction | 12 244 | 10 003 | 1 444 | *796 | 23 | 25 | 6 | 56 |
| Power and communication transmission lines, towers, and related facilities | 110 226 | 78 344 | 23 230 | 8 651 | 3 | 3 | 3 | 11 |
| Sewers, water mains, and related facilities | 328 005 | 261 225 | 49 468 | 17 311 | 4 | 4 | 6 | 11 |
| Sewers, sewer lines, and related facilities | 197 450 | 158 345 | 28 789 | 10 316 | 3 | 4 | 4 | 14 |
| Water mains and related facilities | 130 555 | 102 880 | 20 679 | 6 995 | 6 | 5 | 12 | 13 |
| Pipeline, other than sewer or water lines | 28 529 | 19 807 | 5 869 | 2 852 | 14 | 16 | 14 | 16 |
| Mass transit construction | 20 035 | *13 143 | 2 493 | 4 398 | 27 | 41 | 22 | 6 |
| Blast furnaces, petroleum refineries, and chemical complexes | 103 938 | 16 724 | 44 329 | 42 885 | 1 | 3 | 1 | 1 |
| Power plants | 119 940 | 105 872 | 7 872 | 6 195 | 1 | (W) | 6 | 12 |
| Power plants, nuclear | 6 430 | 4 235 | 1 551 | 643 | 3 | 1 | 9 | 7 |
| Power plants, except nuclear | 113 509 | 101 636 | 6 320 | 5 551 | 1 | (W) | 7 | 14 |
| Sewage treatment and water treatment plants | 98 888 | 79 108 | 15 877 | 3 902 | 3 | 4 | 3 | 7 |
| Sewage treatment plants | 75 641 | 59 472 | 14 202 | 1 966 | 4 | 5 | 3 | 5 |
| Water treatment plants | 23 247 | 19 636 | 1 675 | 1 936 | 3 | 3 | 11 | 12 |
| Earthmoving, nonbuilding | 52 773 | 42 086 | *6 558 | *4 127 | 37 | 34 | 46 | 57 |
| Other nonbuilding construction | 128 268 | 87 592 | 14 423 | 26 270 | 9 | 10 | 17 | 17 |
| Construction work, n.s.k. | 379 243 | (NA) | (NA) | (NA) | 4 | (NA) | (NA) | (NA) |
| 1982 | | | | | | | | |
| Value of construction work¹ | 6 834 101 | 5 909 213 | (NA) | 924 888 | 1 | 1 | (NA) | 2 |
| Building construction | 4 361 923 | 3 769 009 | (NA) | 592 914 | 1 | 1 | (NA) | 2 |
| Single-family houses | 1 052 710 | 864 748 | (NA) | 187 962 | 2 | 2 | (NA) | 4 |
| Single-family houses, detached | 941 170 | 769 276 | (NA) | 171 893 | 2 | 3 | (NA) | 4 |
| Single-family houses, attached | 111 540 | 95 472 | (NA) | 16 068 | 4 | 5 | (NA) | 14 |
| Apartment buildings with two or more apartments | 184 211 | 141 365 | (NA) | 42 846 | 5 | 6 | (NA) | 4 |
| Other residential buildings, including hotels and motels | 144 201 | 130 486 | (NA) | 13 714 | 2 | 2 | (NA) | 3 |
| Office buildings | 960 936 | 863 630 | (NA) | 97 306 | 1 | 1 | (NA) | 2 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 392 770 | 332 966 | (NA) | 59 803 | 3 | 3 | (NA) | 3 |
| Industrial buildings and warehouses | 789 125 | 679 373 | (NA) | 109 751 | 1 | 1 | (NA) | 3 |
| Religious buildings | 38 997 | 31 876 | (NA) | 7 120 | 4 | 3 | (NA) | 14 |
| Educational buildings | 384 045 | 353 043 | (NA) | 31 001 | 2 | 2 | (NA) | 7 |
| Hospitals and institutional buildings | 283 396 | 260 156 | (NA) | 23 239 | 2 | 1 | (NA) | 6 |
| Farm buildings | 23 916 | 17 784 | (NA) | 6 131 | 7 | 10 | (NA) | 5 |
| Amusement, social, and recreational buildings | 49 698 | 46 815 | (NA) | 2 882 | 6 | 6 | (NA) | 10 |
| Other nonresidential buildings | 57 912 | 46 758 | (NA) | 11 153 | 5 | 5 | (NA) | 24 |
| Nonbuilding construction | 2 086 240 | 1 826 867 | (NA) | 259 372 | 1 | 1 | (NA) | 2 |
| Highways, streets, and related facilities | 429 852 | 328 132 | (NA) | 101 720 | 2 | 2 | (NA) | 3 |
| Bridges, tunnels, and elevated highways | 112 248 | 97 169 | (NA) | 15 079 | 1 | 1 | (NA) | (W) |
| Dam and reservoir construction | 47 270 | 44 837 | (NA) | 2 432 | 4 | 4 | (NA) | 4 |
| Marine construction | 98 870 | 66 718 | (NA) | 32 151 | 1 | 1 | (NA) | 3 |
| Harbor and port facilities | 21 436 | 18 390 | (NA) | 3 046 | 8 | 8 | (NA) | 15 |
| Conservation and development construction | 19 113 | 15 367 | (NA) | 3 746 | 17 | 21 | (NA) | 27 |
| Power and communication transmission lines, towers, and related facilities | 93 479 | 75 412 | (NA) | 18 067 | 5 | 6 | (NA) | 4 |
| Sewers, water mains, and related facilities | 205 095 | 186 204 | (NA) | 18 890 | 3 | 3 | (NA) | 7 |
| Pipeline, other than sewer or water lines | 30 092 | 21 952 | (NA) | 8 139 | 1 | 1 | (NA) | (W) |
| Power plants | 721 205 | 700 602 | (NA) | 20 602 | (W) | (W) | (NA) | 2 |
| Sewage treatment and water treatment plants | 101 082 | 95 698 | (NA) | 5 383 | 1 | (W) | (NA) | 4 |
| Other nonbuilding construction | 206 486 | 176 374 | (NA) | 30 106 | 6 | 6 | (NA) | 9 |
| Construction work, n.s.k. | 385 937 | 313 336 | (NA) | 72 600 | 4 | 3 | (NA) | 4 |

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity where no receipts were received.

²In 1982, data for additions, alterations, or reconstruction were not collected separately. These data are included with "New construction".

Table 10. Quarterly Construction Worker Hours and Employment With Payroll by Industry:

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see Introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Number of establisments | Average number of construction workers | Construction worker hours (thousands) | January to March | | April to June | |
|---------------------|--|----------------------------|---|---|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| | | | | | Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) |
| | | | | | A | B | C | D |
| | Construction Industries and land subdivider and developers ----- | 12 418 | 66 707 | 103 843 | 60 998 | 22 685 | 65 747 | 25 975 |
| 15, 16, 17 | Construction Industries: | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | |
| 1521 | Single-family houses ----- | 2 595 | 6 571 | 8 163 | 6 124 | 1 796 | 6 794 | 2 126 |
| 1522 | Other residential buildings ----- | 228 | 1 208 | 1 651 | 1 285 | 462 | 1 188 | 419 |
| 1531 | Operative builders ----- | 460 | 1 268 | 2 185 | 1 215 | 528 | 1 243 | 556 |
| 154 | General contractors, nonresidential buildings: | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 144 | 1 370 | 2 291 | 1 052 | 461 | 1 272 | 516 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 986 | 8 361 | 13 749 | 7 495 | 3 026 | 7 797 | 3 309 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | |
| 1611 | Highway and street construction----- | 226 | 3 705 | 6 457 | 2 793 | 1 100 | 3 836 | 1 731 |
| 162 | Heavy construction, except highway: | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction ----- | 27 | 680 | 1 242 | 494 | *271 | 691 | 259 |
| 1623 | Water, sewer, and utility lines ----- | 275 | 2 578 | 4 334 | 2 134 | 840 | 2 461 | 1 023 |
| 1629 | Heavy construction, n.e.c. ----- | 402 | 4 006 | 7 323 | 3 642 | 1 541 | 4 060 | 1 877 |
| 17 | Special trade contractors: | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning ----- | 1 097 | 6 219 | 10 429 | 5 889 | 2 316 | 6 145 | 2 677 |
| 1721 | Painting and paper hanging ----- | 609 | 2 476 | 3 840 | 1 954 | 764 | 2 644 | 1 014 |
| 1731 | Electrical work----- | 912 | 6 596 | 10 976 | 6 507 | 2 586 | 6 552 | 2 762 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 338 | 1 138 | 1 637 | 941 | 321 | 992 | 354 |
| 1742 | Plastering, drywall, and insulation work----- | 547 | 4 889 | 6 496 | 4 887 | 1 511 | 4 635 | 1 540 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 83 | 295 | 457 | 292 | 105 | 270 | 117 |
| 175 | Carpentry and floor work: | | | | | | | |
| 1751 | Carpentry ----- | 694 | 2 062 | 2 622 | 1 894 | 579 | 2 034 | 668 |
| 1752 | Floor laying and other floor work ----- | 267 | 818 | 1 051 | 754 | 231 | 956 | 304 |
| 1761 | Roofing, siding, and sheet metal work----- | 616 | 3 651 | 5 448 | 3 086 | 1 127 | 3 595 | 1 386 |
| 1771 | Concrete work----- | 553 | 2 857 | 4 229 | 2 779 | 995 | 2 857 | 1 055 |
| 1781 | Water well drilling ----- | 88 | 284 | 467 | 271 | 99 | 277 | 121 |
| 179 | Miscellaneous special trade contractors: | | | | | | | |
| 1791 | Structural steel erection ----- | 60 | 799 | 1 376 | 784 | 341 | 754 | 330 |
| 1793 | Glass and glazing work ----- | 184 | 704 | 1 051 | 692 | 246 | 675 | 262 |
| 1794 | Excavation work ----- | 278 | 1 267 | 2 158 | 1 199 | 459 | 1 274 | 560 |
| 1795 | Wrecking and demolition work ----- | 22 | 196 | 217 | 180 | 47 | 157 | 43 |
| 1796 | Installing building equipment, n.e.c. ----- | 88 | 576 | 1 068 | 719 | 307 | 513 | 251 |
| 1799 | Special trade contractors, n.e.c. ----- | 454 | 1 887 | 2 580 | 1 673 | 535 | 1 812 | 624 |
| 6552 | Land subdivider and developers, n.e.c. ----- | 174 | 224 | 333 | 252 | 81 | 251 | 81 |

¹Construction workers during pay periods including 12th of March, May, August, and November.

| July to September | | October to December | | Relative standard error of estimate (percent) for column— | | | | | | | | | | | 1987 SIC code | |
|--------------------------------------|-----------------------------|--------------------------------------|-----------------------------|---|----|----|----|----|----|----|----|----|----|----|---------------------|-------------|
| Construction workers ¹ | Hours worked (thousands) | Construction workers ¹ | Hours worked (thousands) | B | C | D | E | F | G | H | I | J | K | | | |
| H | I | J | K | | | | | | | | | | | | | |
| 72 856 | 28 770 | 67 229 | 26 412 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 15, 16, 17 | |
| 7 047 | 2 270 | 6 322 | 1 970 | 4 | 5 | 4 | 6 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 15 | |
| 1 239 | 386 | 1 124 | 384 | 9 | 10 | 10 | 12 | 8 | 10 | 10 | 11 | 12 | 11 | 12 | 1521 1522 | |
| 1 314 | 571 | 1 301 | 529 | 7 | 9 | 7 | 9 | 7 | 9 | 7 | 10 | 10 | 10 | 11 | 1531 | |
| 1 645 | 615 | 1 513 | 698 | 5 | 7 | 6 | 8 | 6 | 7 | 6 | 8 | 4 | 3 | 3 | 1541 1542 | |
| 9 107 | 3 821 | 9 045 | 3 592 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 16 | |
| 4 481 | 2 038 | 3 710 | 1 587 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 5 | 1611 | |
| 993 | *482 | 543 | 229 | 26 | 32 | 26 | 44 | 30 | 21 | 38 | 46 | 2 | 6 | 6 | 162 1622 | |
| 2 898 | 1 234 | 2 818 | 1 236 | 4 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 1623 |
| 4 316 | 1 991 | 4 004 | 1 913 | 6 | 7 | 6 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 8 | 8 | 1629 |
| | | | | | | | | | | | | | | | 17 | |
| 6 555 | 2 831 | 6 287 | 2 603 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 1711 |
| 3 021 | 1 153 | 2 289 | 908 | 6 | 9 | 7 | 10 | 7 | 8 | 7 | 9 | 7 | 7 | 10 | 10 | 1721 |
| 6 732 | 2 798 | 6 594 | 2 829 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1731 |
| | | | | | | | | | | | | | | | 174 | |
| 1 333 | 475 | 1 286 | 486 | 7 | 8 | 8 | 11 | 7 | 9 | 9 | 10 | 8 | 9 | 9 | 9 | 1741 |
| 5 149 | 1 742 | 4 887 | 1 702 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 1742 |
| 333 | 127 | 285 | 106 | 16 | 26 | 16 | 26 | 18 | 28 | 15 | 26 | 17 | 26 | 26 | 26 | 1743 |
| 2 297 | 705 | 2 024 | 669 | 6 | 8 | 6 | 9 | 7 | 8 | 7 | 8 | 6 | 6 | 6 | 6 | 175 1751 |
| 843 | 268 | 719 | 247 | 14 | 15 | 11 | 12 | 20 | 26 | 14 | 13 | 12 | 12 | 13 | 13 | 1752 |
| 4 230 | 1 580 | 3 693 | 1 353 | 5 | 5 | 5 | 7 | 5 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 1761 |
| 3 163 | 1 204 | 2 628 | 974 | 6 | 8 | 11 | 16 | 6 | 8 | 7 | 8 | 6 | 6 | 8 | 8 | 1771 |
| 291 | 128 | 298 | 118 | 11 | 10 | 13 | 15 | 12 | 12 | 9 | 8 | 11 | 10 | 10 | 10 | 1781 |
| 778 | 356 | 882 | 348 | 8 | 9 | 9 | 12 | 10 | 11 | 10 | 11 | 8 | 8 | 8 | 8 | 179 1791 |
| 716 | 263 | 735 | 279 | 9 | 13 | 9 | 14 | 9 | 13 | 10 | 13 | 10 | 10 | 14 | 14 | 1793 |
| 1 335 | 605 | 1 260 | 534 | 6 | 9 | 7 | 9 | 7 | 9 | 6 | 9 | 7 | 9 | 9 | 9 | 1794 |
| 216 | 62 | 233 | 64 | 18 | 14 | 17 | 13 | 19 | 16 | 17 | 12 | 19 | 15 | 15 | 15 | 1795 |
| 532 | 247 | 543 | 262 | 9 | 12 | 17 | 19 | 10 | 12 | 9 | 12 | 9 | 12 | 13 | 13 | 1796 |
| 2 045 | 717 | 2 022 | 703 | 7 | 10 | 9 | 11 | 8 | 11 | 7 | 11 | 7 | 11 | 7 | 10 | 1799 |
| 236 | 89 | 175 | 80 | 25 | 30 | 27 | 31 | 31 | 31 | 26 | 31 | 22 | 36 | 36 | 36 | 6552 |

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Industry | Average number of employees** per estab- lishment | Payroll per employee (\$1,000) | Construction worker hours per construction worker | Value of construction work per construction worker (\$1,000) | Average per dollar of value of construction work | | | |
|---------------------|--|--|---|---|--|--|--|---|---|
| | | | | | | Payroll, all employees | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Rental cost for machinery, equipment, and buildings |
| | Construction industries and land subdividers and developers | 6.9 | 22.8 | 1 556.7 | 137.2 | .213 | .295 | .268 | .018 |
| 15, 16, 17 | Construction industries: | | | | | | | | |
| 15 | Building construction—General contractors and operative builders: | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | |
| 1521 | Single-family houses | 3.2 | 14.8 | 1 242.3 | 114.7 | .163 | .325 | .313 | .007 |
| 1522 | Other residential buildings | 7.0 | 18.8 | 1 366.7 | 213.8 | .115 | .247 | .471 | .007 |
| 1531 | Operative builders | 5.4 | 21.2 | 1 723.2 | 473.5 | .088 | .274 | .472 | .006 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 13.0 | 27.0 | 1 672.3 | 240.8 | .153 | .221 | .504 | .013 |
| 1542 | Nonresidential buildings, n.e.c. | 11.2 | 25.3 | 1 644.4 | 244.1 | .137 | .184 | .533 | .009 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | |
| 1611 | Highway and street construction | 20.3 | 30.2 | 1 742.8 | 162.8 | .230 | .288 | .197 | .043 |
| 162 | Heavy construction, except highway: | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction | 30.6 | 23.4 | 1 826.5 | 185.3 | .153 | .289 | .332 | .012 |
| 1623 | Water, sewer, and utility lines | 11.4 | 26.0 | 1 681.1 | 138.0 | .230 | .311 | .152 | .041 |
| 1629 | Heavy construction, n.e.c. | 12.4 | 31.7 | 1 828.0 | 168.0 | .235 | .318 | .149 | .031 |
| 17 | Special trade contractors: | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 7.7 | 25.2 | 1 677.0 | 121.7 | .280 | .369 | .113 | .015 |
| 1721 | Painting and paper hanging | 5.0 | 18.2 | 1 550.9 | 63.3 | .351 | .223 | .058 | .019 |
| 1731 | Electrical work | 9.4 | 26.1 | 1 664.0 | 96.8 | .350 | .404 | .032 | .018 |
| 174 | Masonry, stoneowrk, tile setting, and plastering: | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 3.8 | 20.5 | 1 438.5 | 83.8 | .279 | .397 | .047 | .014 |
| 1742 | Plastering, drywall, and insulation work | 10.6 | 20.8 | 1 328.7 | 69.0 | .356 | .365 | .060 | .014 |
| 1743 | Terrazzo, tile, marble, and mosaic work | 4.7 | 21.7 | 1 549.2 | 127.4 | .224 | (D) | (S) | .010 |
| 175 | Carpentry and floor work: | | | | | | | | |
| 1751 | Carpentry | 3.6 | 16.7 | 1 271.6 | 69.6 | .290 | .338 | .100 | .010 |
| 1752 | Floor laying and other floor work | 3.9 | 17.9 | 1 284.8 | 91.6 | .250 | .457 | .072 | .017 |
| 1761 | Roofing, siding, and sheet metal work | 7.3 | 18.6 | 1 492.2 | 88.6 | .258 | .403 | .055 | .016 |
| 1771 | Concrete work | 6.1 | 17.5 | 1 480.2 | 78.5 | .261 | .322 | .053 | .027 |
| 1781 | Water well drilling | 4.1 | 22.0 | 1 644.4 | 127.2 | .222 | .363 | .013 | .019 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | |
| 1791 | Structural steel erection | 16.3 | 25.8 | 1 722.2 | 101.7 | .309 | (D) | .066 | .032 |
| 1793 | Glass and glazing work | 5.6 | 19.3 | 1 492.9 | 107.2 | .262 | .562 | .015 | .021 |
| 1794 | Excavation work | 5.5 | 23.9 | 1 703.2 | 108.7 | .264 | .253 | .073 | .085 |
| 1795 | Wrecking and demolition work | 11.9 | 22.4 | 1 107.1 | 97.1 | .309 | (D) | .048 | .058 |
| 1796 | Installing building equipment, n.e.c. | 8.1 | 31.5 | 1 854.2 | 115.3 | .340 | .376 | .048 | .014 |
| 1799 | Special trade contractors, n.e.c. | 5.2 | 16.4 | 1 367.2 | 71.7 | .284 | .351 | .052 | .016 |
| 6552 | Land subdividers and developers, n.e.c. | 3.9 | 17.0 | 1 486.6 | 303.1 | .169 | .203 | .361 | .012 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|-----|-----|
| | | | | | | | | | | I | B | E |
| | PORTLAND-VANCOUVER, OR-WA CMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 3 489 | 25 150 | 540 609 | 2 549 523 | 1 892 527 | 1 175 234 | 782 377 | 656 996 | 35 472 | 2 | 1 |
| | (See appropriate State for SIC detail.) | | | | | | | | | | | |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses----- | 669 | 2 181 | 30 731 | 204 650 | 140 264 | 79 503 | 66 213 | 64 386 | 3 116 | 10 | 11 |
| 1522 | Other residential buildings----- | 53 | 533 | 9 914 | 76 436 | 34 764 | 16 811 | 18 187 | 41 672 | 234 | 17 | 8 |
| 1531 | Operative builders----- | 124 | 379 | 8 597 | 114 369 | 60 591 | 28 997 | 34 239 | 53 778 | *1 590 | 17 | 18 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 57 | 461 | 10 444 | 72 522 | 43 973 | 25 034 | 20 085 | 28 549 | 314 | 9 | 13 |
| 1542 | Nonresidential buildings, n.e.c.----- | 230 | 2 408 | 60 728 | 502 247 | 208 346 | 124 832 | 89 811 | 293 901 | 2 315 | 6 | 5 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction----- | 62 | 1 354 | 40 942 | 214 514 | 175 726 | 115 210 | 70 162 | 38 788 | 6 569 | 6 | 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction----- | 8 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1623 | Water, sewer, and utility lines----- | 54 | 938 | 18 925 | 71 135 | 57 582 | 37 094 | 21 390 | 13 553 | 2 577 | 6 | 8 |
| 1629 | Heavy construction, n.e.c.----- | 65 | 597 | 14 272 | 87 686 | 63 635 | 39 160 | 26 219 | 24 051 | 1 754 | 7 | 7 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 360 | 3 390 | 82 293 | 280 566 | 251 594 | 151 078 | 105 106 | 28 973 | 3 463 | 3 | 3 |
| 1721 | Painting and paper hanging----- | 239 | 1 104 | 17 607 | 43 705 | 42 494 | 33 186 | 9 324 | 1 211 | 443 | 12 | 10 |
| 1731 | Electrical work----- | 268 | 2 675 | 71 004 | 209 520 | 203 183 | 126 820 | 86 242 | 6 337 | 4 145 | 3 | 3 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework----- | 98 | 474 | 9 776 | 31 415 | 30 050 | 20 148 | 11 392 | 1 365 | 180 | 10 | 11 |
| 1742 | Plastering, drywall, and insulation work----- | 135 | 1 474 | 26 889 | 79 445 | 74 077 | 50 667 | 31 739 | 5 368 | 945 | 6 | 5 |
| 1743 | Terrazzo, tile, marble, and mosaic work----- | 18 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry----- | (S) | (S) | (S) | 57 280 | 48 874 | 28 119 | 24 369 | *8 406 | (S) | 511 | (S) |
| 1752 | Floor laying and other floorwork----- | 110 | 588 | 11 580 | 57 280 | 48 874 | 28 119 | 24 369 | *8 406 | (S) | 9 | (S) |
| 1761 | Roofing, siding, and sheet metal work----- | 167 | 1 752 | 29 172 | 106 884 | 101 685 | 57 946 | 44 556 | 5 199 | 943 | 9 | 7 |
| 1771 | Concrete work----- | 186 | 1 015 | 15 530 | 51 369 | 47 211 | 29 628 | 17 640 | 4 159 | 944 | 10 | 9 |
| 1781 | Water well drilling----- | 20 | 135 | 2 771 | 13 427 | (D) | 7 183 | 6 128 | (D) | 178 | 32 | (D) |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection----- | 23 | 434 | 10 516 | 49 721 | (D) | 25 361 | 12 235 | (D) | 510 | 5 | (D) |
| 1793 | Glass and glazing work----- | 52 | 368 | 7 647 | 47 515 | 47 260 | 21 577 | 28 547 | *255 | *323 | 22 | 12 |
| 1794 | Excavation work----- | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) |
| 1795 | Wrecking and demolition work----- | 8 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c.----- | 29 | 369 | 12 730 | 38 782 | (D) | 26 087 | 11 088 | (D) | 176 | 7 | (D) |
| 1799 | Special trade contractors, n.e.c.----- | 135 | 733 | 12 605 | 44 771 | 41 444 | 27 827 | 14 256 | 3 327 | *632 | 14 | 15 |
| 6552 | Land subdividers and developers, n.e.c.----- | 55 | 180 | 2 574 | 36 006 | 28 018 | 28 519 | 1 436 | 7 988 | 325 | 33 | 18 |
| | PORTLAND, OR PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 2 877 | 21 427 | 466 928 | 2 180 293 | 1 602 830 | 999 190 | 654 865 | 577 462 | 29 274 | 2 | 2 |
| | (See appropriate State for SIC detail.) | | | | | | | | | | | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expendi- tures, other than land | Relative standard error of estimate (percent) for column— | | |
|---------------------|---|----------------------------------|--------------------|-----------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|--|
| | | | A | B | | | | | | | | B | E | |
| | VANCOUVER, WA PMSA | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 612 | 3 723 | 73 681 | 369 230 | 289 697 | 176 045 | 127 512 | 79 533 | 6 198 | 3 | 2 | | |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | | |
| 1521 | Single-family houses | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 1522 | Other residential buildings | 3 | 21 | 462 | 1 793 | (D) | (D) | 206 | (D) | (D) | (W) | (D) | (D) | |
| 1531 | Operative builders | 22 | 150 | 2 314 | 25 090 | 12 576 | (D) | 12 173 | 12 514 | *24 | 32 | 31 | | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | | | | | | | | | | | | | |
| 1542 | Nonresidential buildings, n.e.c. | (S) | 250 | 5 744 | 49 125 | 21 956 | 12 901 | 9 270 | 27 168 | (S) | (S) | (S) | (S) | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | | |
| 1611 | Highway and street construction | 10 | 453 | 14 878 | (D) | (D) | 49 309 | (D) | (D) | 1 272 | 4 | (D) | | |
| 1622 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | 1 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 1623 | Water, sewer, and utility lines | 8 | 74 | 1 712 | 5 017 | 4 650 | 3 136 | (D) | 367 | (D) | (D) | 6 | (D) | |
| 1629 | Heavy construction, n.e.c. | *16 | 140 | 2 409 | 8 838 | (D) | 6 491 | 2 376 | (D) | (D) | (D) | 16 | (D) | |
| 17 | Special trade contractors: | | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air-conditioning | 57 | 309 | 6 047 | 24 857 | 24 080 | 12 407 | 11 749 | 777 | 271 | 12 | 12 | | |
| 1721 | Painting and paper hanging | 31 | 81 | *1 214 | 2 976 | 2 902 | 2 299 | 606 | *74 | *94 | 38 | 35 | | |
| 1731 | Electrical work | 28 | 239 | 6 281 | 21 418 | 21 074 | 11 854 | 9 710 | 344 | *639 | 8 | 7 | | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 20 | 116 | 2 395 | 7 383 | 7 309 | 4 951 | *2 358 | 74 | 56 | 35 | 35 | | |
| 1742 | Plastering, drywall, and insulation work | 36 | 276 | 4 712 | 17 781 | 15 078 | 9 610 | 5 786 | *2 703 | 145 | 22 | 14 | | |
| 1743 | Terrazzo, tile, marble, and mosaic work | - | - | - | - | - | - | - | - | - | - | - | - | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | | |
| 1751 | Carpentry | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 1752 | Floor laying and other floorwork | 16 | 107 | 2 284 | 8 585 | 8 440 | 4 545 | 4 746 | 145 | 123 | 4 | (S) | 8 | |
| 1761 | Roofing, siding, and sheet metal work | 27 | 265 | 3 827 | 13 517 | 13 425 | 7 697 | 5 742 | *92 | *246 | 24 | 8 | | |
| 1771 | Concrete work | 48 | 246 | 3 183 | 12 776 | 11 867 | 7 182 | 4 685 | *909 | *404 | 23 | 21 | | |
| 1781 | Water well drilling | 4 | 66 | (D) | 8 306 | (D) | 4 263 | (D) | (D) | (D) | (W) | (D) | | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | | |
| 1791 | Structural steel erection | *3 | *22 | *272 | *1 153 | *1 139 | *925 | 215 | *14 | 69 | 69 | | | |
| 1793 | Glass and glazing work | *21 | *91 | *1 128 | *5 210 | *5 144 | *3 135 | *4 113 | (S) | 60 | 57 | | | |
| 1794 | Excavation work | *15 | *39 | *485 | *2 826 | *2 743 | *1 965 | 824 | 83 | 179 | 57 | 64 | | |
| 1795 | Wrecking and demolition work | 1 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | | | |
| 1796 | Installing building equipment, n.e.c. | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| 1799 | Special trade contractors, n.e.c. | *22 | *80 | *1 308 | *3 079 | *3 015 | *2 332 | *683 | *64 | (S) | 50 | 55 | | |
| 6552 | Land subdividers and developers, n.e.c. | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | | |
| | SEATTLE-TACOMA, WA CMSA | | | | | | | | | | | | | |
| | Construction Industries and land subdividers and developers | 7 011 | 57 410 | 1 374 977 | 6 429 131 | 4 599 963 | 2 883 287 | 1 840 222 | 1 829 168 | 84 023 | 1 | 1 | | |
| 15,16, 17 | Construction Industries: | | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | | |
| 1521 | Single-family houses | 1 375 | 4 657 | 74 970 | 445 967 | 301 080 | 170 716 | 137 149 | 144 887 | 4 111 | 5 | 6 | | |
| 1522 | Other residential buildings | 127 | 1 121 | 22 518 | 208 117 | 104 207 | 61 355 | 44 297 | 103 910 | 1 502 | 9 | 7 | | |
| 1531 | Operative builders | 337 | 1 984 | 43 670 | 508 992 | 272 151 | 139 883 | 137 047 | 236 841 | 2 859 | 7 | 8 | | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 65 | 1 035 | 29 670 | 221 152 | 93 253 | 52 904 | (D) | 127 899 | 784 | 7 | 9 | | |
| 1542 | Nonresidential buildings, n.e.c. | 537 | 8 378 | 219 449 | 1 568 040 | 729 207 | 466 083 | (D) | 838 833 | 5 931 | 3 | 2 | | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Relative standard error of estimate (percent) for column— | | |
|---------------------|---|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|-----|-----|
| | | | | | | | | | | I | B | E |
| | SEATTLE-TACOMA, WA CMSA— Con. | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | |
| | Construction industries—Con. | | | | | | | | | | | |
| 15,16, 17 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction ----- | 91 | 2 110 | 68 283 | 259 772 | 203 572 | 140 584 | 75 344 | 56 199 | 10 282 | 4 | 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction----- | *21 | 581 | 11 512 | 82 844 | 59 906 | 32 923 | 27 901 | 22 938 | *2 582 | 36 | 17 |
| 1623 | Water, sewer, and utility lines ----- | 153 | 2 155 | 59 145 | 249 939 | 212 761 | 141 525 | 75 831 | 37 178 | 7 922 | 4 | 4 |
| 1629 | Heavy construction, n.e.c. ----- | 172 | 3 226 | 114 478 | 489 972 | 412 358 | 257 086 | 161 906 | 77 615 | 9 893 | 8 | 7 |
| 17 | Special trade contractors: | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning----- | 590 | 5 187 | 135 499 | 476 224 | 412 333 | 263 902 | 168 250 | 63 890 | 5 144 | 2 | 3 |
| 1721 | Painting and paper hanging----- | 354 | 2 083 | 40 836 | 114 808 | 108 669 | 85 450 | 25 030 | 6 139 | 2 486 | 7 | 6 |
| 1731 | Electrical work ----- | 539 | 6 127 | 167 722 | 470 990 | 456 601 | 277 572 | 188 076 | 14 388 | 5 264 | 3 | 2 |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework ----- | 177 | 879 | 18 001 | 61 878 | 57 722 | 32 508 | 25 334 | 4 156 | 929 | 8 | 9 |
| 1742 | Plastering, drywall, and insulation work ----- | 347 | 4 309 | 95 474 | 254 411 | 238 927 | 159 390 | 90 551 | 15 484 | 3 628 | 5 | 3 |
| 1743 | Terrazzo, tile, marble, and mosaic work ----- | 53 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 175 | Carpentry and floor work: | | | | | | | | | | | |
| 1751 | Carpentry ----- | 407 | 1 793 | 32 094 | 100 410 | 91 071 | 60 897 | 33 683 | 9 339 | 1 131 | 7 | 6 |
| 1752 | Floor laying and other floorwork----- | 186 | 857 | 15 217 | 60 173 | 55 007 | 28 836 | 27 475 | 5 166 | 675 | 16 | 12 |
| 1761 | Roofing, siding, and sheet metal work ----- | 380 | 2 899 | 54 498 | 219 779 | 204 935 | 116 764 | 88 538 | 14 845 | 2 229 | 6 | 5 |
| 1771 | Concrete work ----- | 327 | 2 220 | 40 203 | 159 092 | 151 449 | 101 497 | 51 321 | 7 643 | 2 886 | 8 | 6 |
| 1781 | Water well drilling ----- | 24 | 131 | 3 135 | 11 623 | 11 423 | 7 399 | 4 037 | *200 | *815 | 21 | 18 |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | |
| 1791 | Structural steel erection ----- | 35 | 702 | 19 697 | 63 093 | 59 041 | 40 536 | 18 860 | 4 052 | *474 | 8 | 6 |
| 1793 | Glass and glazing work ----- | 107 | 687 | 13 941 | 49 624 | 48 805 | 25 417 | 25 836 | 819 | 293 | 9 | 10 |
| 1794 | Excavation work ----- | 145 | 1 181 | 30 987 | 116 951 | 108 354 | 80 206 | 30 482 | 8 598 | 7 869 | 7 | 7 |
| 1795 | Wrecking and demolition work ----- | *18 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) |
| 1796 | Installing building equipment, n.e.c. ----- | 66 | 592 | 18 432 | 49 798 | 47 749 | 29 749 | 20 163 | (D) | 378 | 9 | (D) |
| 1799 | Special trade contractors, n.e.c. ----- | 271 | 1 557 | 26 284 | 92 895 | 87 109 | 59 509 | 31 653 | 5 786 | 2 027 | 9 | 8 |
| 6552 | Land subdividers and developers, n.e.c. ----- | 107 | 484 | 8 078 | 53 767 | 33 508 | 25 399 | 11 559 | 20 259 | (D) | 21 | 18 |
| | SEATTLE, WA PMSA | | | | | | | | | | | |
| | Construction industries and land subdividers and developers----- | 5 804 | 48 929 | 1 189 955 | 5 585 185 | 3 983 225 | 2 503 045 | 1 580 062 | 1 601 960 | 68 689 | 1 | 1 |
| 15,16, 17 | Construction industries: | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | |
| 1521 | Single-family houses ----- | 1 122 | 3 812 | 61 774 | 371 023 | 246 786 | 137 282 | 115 269 | 124 237 | 3 651 | 6 | 6 |
| 1522 | Other residential buildings ----- | 105 | 884 | 17 958 | 152 655 | 70 149 | 38 440 | 32 376 | 82 507 | 1 149 | 11 | 9 |
| 1531 | Operative builders ----- | 282 | 1 715 | 37 906 | 450 830 | 240 259 | 131 337 | 111 382 | 210 571 | 2 252 | 6 | 8 |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses----- | 52 | 924 | 26 694 | 1 194 937 | 77 235 | 42 673 | (D) | 117 702 | 665 | 7 | 7 |
| 1542 | Nonresidential buildings, n.e.c. ----- | 464 | 7 484 | 197 300 | 1 404 334 | 663 265 | 424 225 | (D) | 741 068 | 5 417 | 3 | 2 |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | |
| 1611 | Highway and street construction ----- | 78 | 1 634 | 52 874 | 206 737 | 158 915 | 107 608 | 55 009 | 47 823 | 7 057 | 5 | 3 |
| 162 | Heavy construction, except highway: | | | | | | | | | | | |
| 1622 | Bridge, tunnel, and elevated highway construction----- | *21 | 581 | 11 512 | 82 844 | 59 906 | 32 923 | (D) | 22 938 | *2 582 | 36 | 17 |
| 1623 | Water, sewer, and utility lines ----- | 118 | 1 811 | 50 922 | 215 004 | 181 606 | 121 849 | 62 541 | 33 397 | 6 254 | 4 | 4 |
| 1629 | Heavy construction, n.e.c. ----- | 136 | 2 999 | 108 963 | 455 696 | 386 704 | 243 589 | 149 511 | 68 992 | 8 550 | 8 | 7 |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

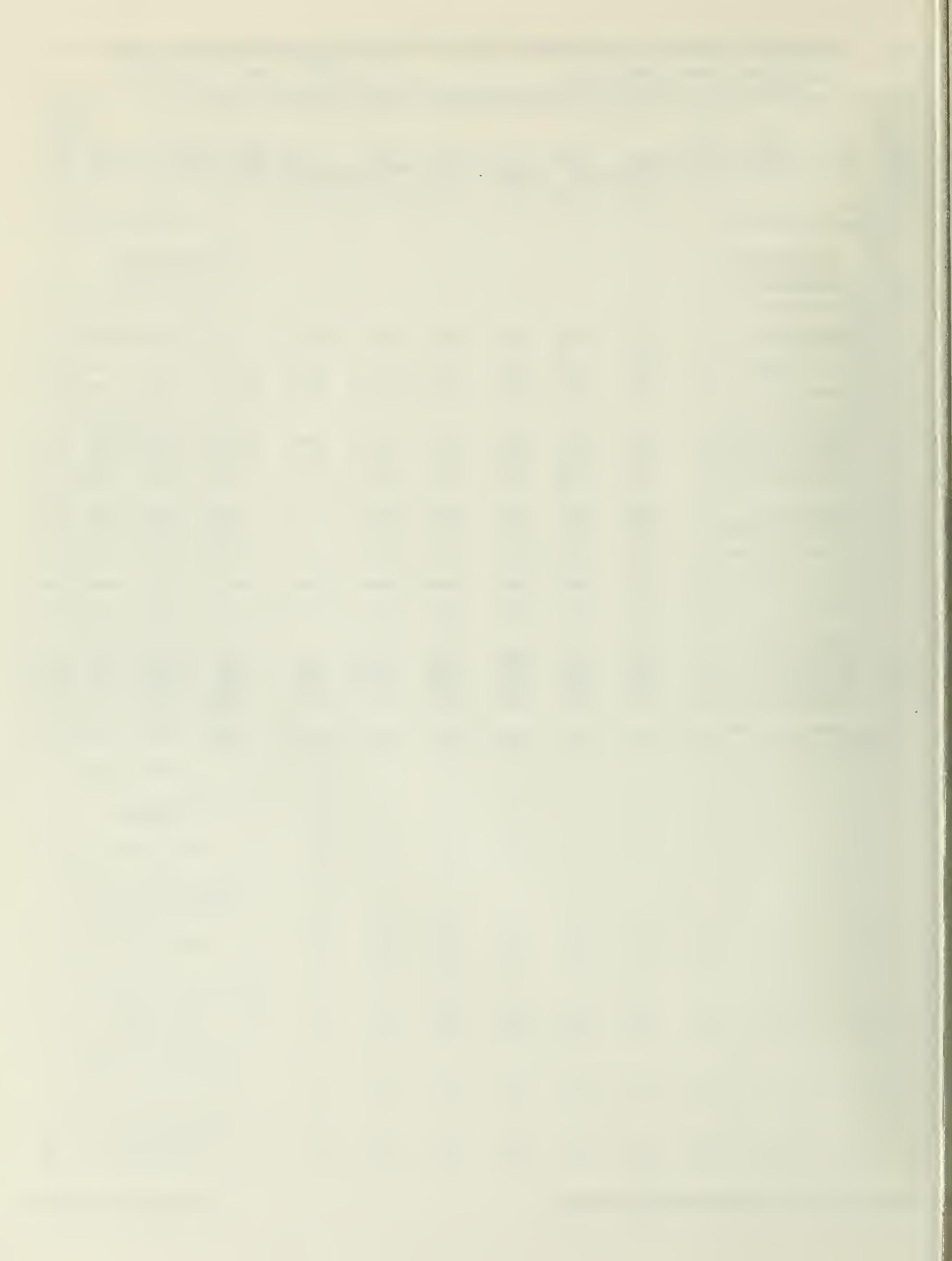
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | | |
|---------------------|---|----------------------------------|--------------------|---------|---------------------------|----------------------------------|--|------------------|--|---|---|---|---|--|
| | | | A | B | | | | | | | | B | E | |
| | SEATTLE, WA PMSA—Con. | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | | | |
| 15,16, 17 | Construction industries—Con. | | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 498 | 4 419 | 119 095 | 420 953 | 363 967 | 235 019 | 145 430 | 56 986 | 4 742 | 3 | 4 | | |
| 1721 | Painting and paper hanging | 292 | 1 834 | 36 300 | 99 265 | 93 814 | 73 049 | 21 756 | 5 452 | 2 463 | 7 | 6 | | |
| 1731 | Electrical work | 461 | 5 162 | 140 805 | 395 867 | 385 565 | 234 663 | 159 736 | 10 302 | 4 321 | 3 | 2 | | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 137 | 756 | 15 720 | 53 800 | 50 016 | 26 958 | 23 167 | 3 784 | 594 | 8 | 9 | | |
| 1742 | Plastering, drywall, and insulation work | 275 | 3 441 | 78 090 | 202 840 | 190 818 | 129 530 | 72 249 | 12 022 | 3 070 | 6 | 4 | | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 46 | 266 | 6 377 | 22 874 | 22 153 | 12 411 | 10 634 | 722 | 134 | 18 | 20 | | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | | |
| 1751 | Carpentry | 357 | 1 563 | 26 988 | 87 507 | 80 396 | 53 539 | 28 761 | 7 110 | 900 | 7 | 7 | | |
| 1752 | Floor laying and other floorwork | 158 | 743 | 13 549 | 52 333 | 48 125 | 25 530 | 23 153 | 4 209 | 661 | 17 | 13 | | |
| 1761 | Roofing, siding, and sheet metal work | 305 | 2 313 | 44 188 | 182 305 | 170 718 | 96 292 | 74 586 | 11 588 | 1 701 | 6 | 6 | | |
| 1771 | Concrete work | 249 | 1 761 | 32 805 | 135 136 | 128 544 | 86 454 | 43 319 | 6 592 | 1 613 | 10 | 7 | | |
| 1781 | Water well drilling | 9 | 46 | 1 170 | 4 956 | 4 937 | 3 071 | 1 868 | *19 | *265 | 21 | 24 | | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | | |
| 1791 | Structural steel erection | 31 | 663 | 18 830 | 61 462 | 57 471 | 39 399 | 18 427 | 3 991 | *468 | 9 | 6 | | |
| 1793 | Glass and glazing work | 75 | 479 | 9 872 | 35 138 | 34 627 | 18 633 | 17 964 | 511 | *228 | 11 | 12 | | |
| 1794 | Excavation work | 129 | 1 110 | 29 169 | 109 197 | 101 128 | 74 218 | 29 233 | 8 069 | 6 969 | 7 | 7 | | |
| 1795 | Wrecking and demolition work | *14 | 118 | 2 278 | 7 038 | 6 688 | 5 969 | 1 111 | 350 | 235 | 37 | 7 | | |
| 1796 | Installing building equipment, n.e.c. | 61 | 572 | 17 659 | 47 183 | 46 690 | 27 966 | 19 349 | 493 | 378 | 9 | 3 | | |
| 1799 | Special trade contractors, n.e.c. | 238 | 1 417 | 23 795 | 84 399 | 78 963 | 53 739 | 29 198 | 5 436 | 1 520 | 9 | 9 | | |
| 6552 | Land subdividers and developers, n.e.c. | 93 | 423 | 7 363 | 48 873 | 33 782 | 26 683 | 10 536 | 15 091 | *855 | 21 | 18 | | |
| | TACOMA, WA PMSA | | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers | 1 207 | 8 481 | 185 023 | 843 946 | 616 738 | 380 242 | 260 160 | 227 208 | 15 334 | 2 | 3 | | |
| 15,16, 17 | Construction industries: | | | | | | | | | | | | | |
| | Building construction—General contractors and operative builders: | | | | | | | | | | | | | |
| 152 | General contractors, residential buildings: | | | | | | | | | | | | | |
| 1521 | Single-family houses | 253 | 845 | 13 196 | 74 943 | 54 293 | 33 434 | 21 880 | 20 650 | 460 | 12 | 15 | | |
| 1522 | Other residential buildings | 23 | 238 | 4 560 | 55 462 | 34 059 | 22 915 | 11 921 | 21 404 | *353 | 17 | 6 | | |
| 1531 | Operative builders | 54 | 269 | 5 764 | 58 162 | 31 892 | (S) | *25 665 | *26 270 | 607 | 29 | 33 | | |
| 154 | General contractors, nonresidential buildings: | | | | | | | | | | | | | |
| 1541 | Industrial buildings and warehouses | 13 | 111 | 2 976 | 26 215 | *16 017 | 10 230 | *6 029 | 10 198 | *119 | 22 | 41 | | |
| 1542 | Nonresidential buildings, n.e.c. | 73 | 893 | 22 149 | 163 706 | 65 941 | 41 858 | 24 154 | 97 765 | 514 | 13 | 10 | | |
| 16 | Heavy construction other than building construction—contractors: | | | | | | | | | | | | | |
| 1611 | Highway and street construction | 13 | 475 | 15 409 | 53 034 | 44 658 | 32 976 | 20 335 | 8 377 | 3 225 | 8 | 4 | | |
| 162 | Heavy construction, except highway: Bridge, tunnel, and elevated highway construction | - | - | - | 34 935 | 31 154 | 19 676 | 13 290 | - | 1 668 | - | - | | |
| 1622 | Water, sewer, and utility lines | 36 | 344 | 8 223 | 25 654 | 34 277 | 13 497 | 12 396 | 3 781 | 8 623 | 1 342 | 14 | 9 | |
| 1623 | Heavy construction, n.e.c. | 36 | 227 | 5 515 | | | | | | | | | | |

Table 12. Selected Statistics for Establishments With Payroll for Selected Metropolitan Statistical Areas: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

| 1987 SIC code | Geographic area and industry | Number of establish- ments | All employees** | Payroll, all employees | Value of construction work | Net value of construction work† | Value added†† | Cost of materials, components, supplies, and fuels | Cost of construction work sub- contracted to others | Capital expend- itures, other than land | Relative standard error of estimate (percent) for column— | | |
|---------------------|--|----------------------------------|--------------------|---------------------------|----------------------------------|--|------------------|--|---|---|---|-----|--|
| | | | A | | | | | | | | B | E | |
| | TACOMA, WA PMSA—Con. | | | | | | | | | | | | |
| | Construction industries and land subdividers and developers—Con. | | | | | | | | | | | | |
| | Construction industries—Con. | | | | | | | | | | | | |
| | Special trade contractors: | | | | | | | | | | | | |
| 1711 | Plumbing, heating, and air- conditioning | 92 | 768 | 16 404 | 55 270 | 48 367 | 28 883 | 22 820 | 6 904 | 403 | 8 | 9 | |
| 1721 | Painting and paper hanging | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | (S) | |
| 1731 | Electrical work | 78 | 965 | 26 917 | 75 123 | 71 037 | 42 909 | 28 341 | 4 086 | 944 | 3 | 3 | |
| 174 | Masonry, stonework, tile setting, and plastering: | | | | | | | | | | | | |
| 1741 | Masonry, stone setting, and other stonework | 40 | 123 | 2 282 | 8 078 | 7 706 | 5 549 | 2 167 | (S) | (S) | 26 | 33 | |
| 1742 | Plastering, drywall, and insulation work | 72 | 868 | 17 384 | 51 571 | 48 109 | 29 861 | 18 301 | 3 462 | 559 | 7 | 8 | |
| 1743 | Terrazzo, tile, marble, and mosaic work | 7 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (W) | (D) | |
| 175 | Carpentry and floor work: | | | | | | | | | | | | |
| 1751 | Carpentry | 51 | 230 | 5 106 | 12 904 | 10 675 | 7 358 | 4 922 | 2 229 | 231 | 13 | 12 | |
| 1752 | Floor laying and other floorwork | *29 | 113 | *1 668 | 7 839 | 6 882 | 3 306 | 4 322 | *957 | (D) | 38 | 29 | |
| 1761 | Roofing, siding, and sheet metal work | 75 | 586 | 10 310 | 37 474 | 34 217 | 20 472 | 13 952 | 3 257 | *527 | 14 | 9 | |
| 1771 | Concrete work | 78 | 459 | 7 398 | 23 956 | 22 905 | 15 043 | 8 003 | 1 051 | 1 273 | 13 | 10 | |
| 1781 | Water well drilling | 15 | 85 | 1 965 | 6 667 | 6 486 | 4 328 | 2 169 | *181 | *551 | 29 | 26 | |
| 179 | Miscellaneous special trade contractors: | | | | | | | | | | | | |
| 1791 | Structural steel erection | 4 | 40 | 866 | 1 631 | 1 570 | 1 136 | 434 | *61 | *6 | 4 | 3 | |
| 1793 | Glass and glazing work | 32 | 208 | 4 069 | 14 486 | 14 178 | 6 784 | 7 872 | *308 | 65 | 20 | 21 | |
| 1794 | Excavation work | *16 | 71 | 1 819 | 7 754 | 7 225 | 5 988 | 1 249 | (S) | *900 | 34 | 36 | |
| 1795 | Wrecking and demolition work | 4 | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | (D) | |
| 1796 | Installing building equipment, n.e.c. | 5 | 21 | (S) | (S) | (D) | (S) | (D) | (D) | (S) | (D) | (D) | |
| 1799 | Special trade contractors, n.e.c. | 33 | 140 | 2 489 | 8 496 | 8 146 | 5 770 | 2 455 | 350 | (S) | 18 | 21 | |
| 6552 | Land subdividers and developers, n.e.c. | *14 | (S) | (S) | (S) | (S) | (S) | (D) | (S) | (D) | (S) | (S) | |



APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories:

1. **New construction**—Includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators, and plumbing, heating, and air-conditioning supplies and equipment.
2. **Additions, alterations or reconstruction**—Includes construction activity making structural changes to existing facilities. Generally, this type of activity is considered a capital investment in the property.
3. **Maintenance and repair**—Includes construction done for the purpose of upkeep of property rather than additional investment in the property.

Examples of the general distinction between maintenance and repair and reconstruction are provided here: roof repairs, including the replacement of shingles, gutters, etc., are classified under maintenance and repairs. A complete reroofing, however, is classified as reconstruction.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

All employees—Comprise all full-time and part-time employees on the payrolls of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not.

All employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

Construction workers—Includes all workers up through the working foreman level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment

operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1987.

Payroll—Includes the gross earnings paid in the calendar year 1987 to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Employer costs for fringe benefits (supplemental labor costs)—Represents expenditures made by the employer during 1987 for legally required and voluntary fringe benefit programs for employees.

Legally required contributions—Include Social Security contributions, unemployment compensation, workman's compensation, and State temporary disability payments.

Voluntary payments—Include life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Dollar value of business done comprises the following detail:

Value of construction work done—Includes all value of construction work done during 1987 for construction work performed by general contractors, special trades contractors, subcontractors, and land development and improvement work. Included is new construction, additions and alterations or reconstruction, and maintenance and repair construction work. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include the value of buildings and other structures built or being built for sale in 1987 but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease.

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators, etc., were instructed to include both the value for the installation and the receipts covering the price of the items installed.

Excluded was the cost of industrial and other specialized machinery and equipment which are not an integral part of a structure.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in the value of construction work done.)

Other business receipts—Includes business receipts not reported as value of construction work done or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Excluded was the value of construction work done and receipts from other business operations in foreign countries and non-operating income such as interest and dividends.

Net value of construction work—Derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to dollar value of business done, less costs for construction work subcontracted to others, and costs for materials, components, supplies and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, land receipts are also subtracted from dollar value of business done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Selected costs—Represents the costs for materials, components, and supplies; costs for construction work subcontracted to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

Costs for materials, components, and supplies include:

- total costs to reporting establishments during 1987 for the purchase of all materials, components, and supplies, except fuels. (Supplies include expendable tools which are charged to current accounts.)
- freight and other direct charges should represent only amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company.
- costs for materials, components, and supplies used by the reporting establishments in the construction or reconstruction of buildings/structures for themselves which are chargeable to their fixed assets accounts, are included in this item as are costs for materials bought and resold to others.
- costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Excluded from this item are:

- industrial and other specialized machinery and equipment, such as printing presses; computer systems; etc., which are not an integral part of a structure
- materials furnished to contractors by the owners of projects.

Costs for construction work subcontracted to others include:

- all costs during 1987 for construction work subcontracted out to other construction contractors.

Excluded from this item are:

- The costs to the reporting establishment for its purchases of materials, components, and supplies, provided to a subcontractor for his use. Such costs are reported under a separate category, "costs for materials, components, and supplies."
- costs for the rental of machinery or equipment.

Costs for selected power, fuels, and lubricants include:

- costs for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the company.
- costs for natural and manufactured gas, fuel oil, coal and coke products, etc.

Rental costs for machinery, equipment, and buildings—Includes all costs during 1987 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It

excludes costs for the rental of land. It also excludes costs under agreements which, in effect, are conditional sales contracts such as capital leases. Such costs are included in "capital expenditures."

Selected purchased services—Includes all costs during 1987 for communication services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies, or from other establishments of the same company. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property, or the cost of adapting it for another use. Such costs are included in "capital expenditures".

Assets and depreciation—Refers to the original cost of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on assets and depreciation were collected separately for: (1) buildings and other structures, additions, and related facilities; and, (2) machinery and equipment.

Respondents were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1987.

Capital expenditures—Refers to all costs actually incurred during 1987 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment.

If leasing arrangements met the criteria set down by the Financial Accounting Standards Board (FASB) for a capital lease, respondents were instructed to report the original cost or market value of that equipment or building as a fixed asset and capital expenditure if acquired during 1987.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

Inventories—Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others, but held by the reporting establishment.

Builders who built on their own account for sale were requested to report work in progress and finished units not sold for buildings and other structures built for sale.

Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Ownership of construction projects—This item shows the distribution of the value of construction work done by ownership of the project, that is, Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken during the construction phase. Government owned projects are shown separately for Federal, and State and local governments.

Value of construction work subcontracted in from others—Includes the value of construction work during 1987 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1987. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose, i.e, office and residential, or commercial, they were to classify the building by major purpose.

In addition all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of these terms.

Building construction:

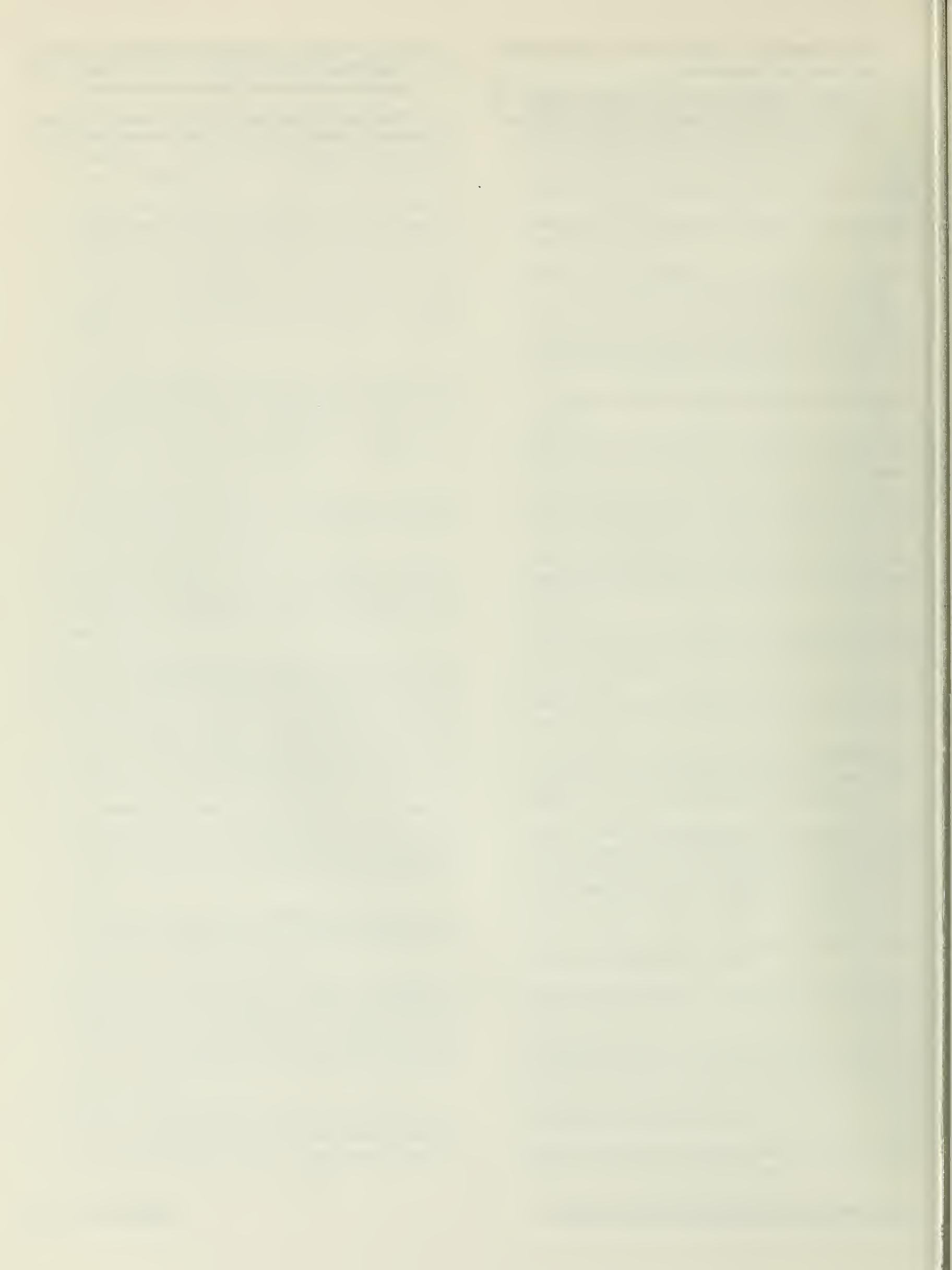
- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (include townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures containing two or more housing units (excluding attached single-family houses and townhouses described above).
- **Hotels and motels**—Includes hotels, motels, and tourist cabins intended for transient accommodations.

- **Other residential buildings**—Includes dormitories, fraternity and sorority houses, nurses homes, and other nonhousekeeping residential structures.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices. Also included are banks or financial buildings which are three stories or more.
- **Other commercial buildings, such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are not included in this category, but under nonbuilding construction.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, mini-warehouses, and other such storage buildings.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes nonresidential buildings which are not classified elsewhere, such as fire stations, prisons, civic centers, bus and air passenger terminals and hangars.

Nonbuilding construction:

- **Highways, streets and related work, such as installation of guardrails, highway signs, etc.**—Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Recreational facilities**—Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Bridges and elevated highways**—Includes viaducts and overpasses; roads, highways, railroads, and causeways built on structural supports.
- **Tunnels**—Includes highway, pedestrian, and railroad tunnels.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, levees, and flood control projects.
- **Power and communication transmission lines, towers, and related facilities**—Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants, and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers, and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.

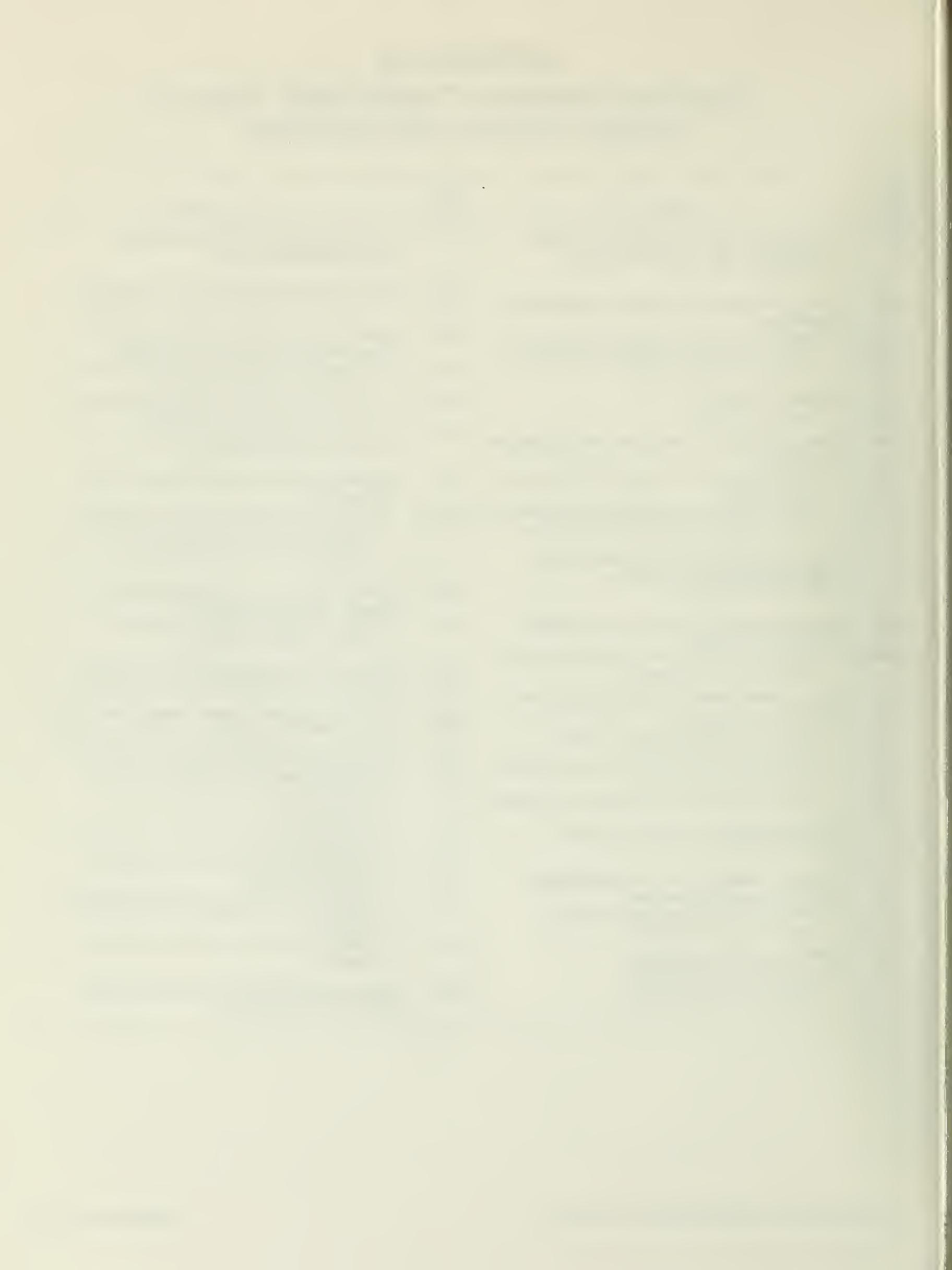
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.



APPENDIX B.

Standard Industrial Classification Titles for Industry Groups and Industries

| SIC code | Industry titles | SIC code | Industry titles |
|----------|--|----------|---|
| 15 | BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS | 17 | CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con. |
| 152 | General Building Contractors—Residential Buildings | 173 | Electrical Work Special Trade Contractors |
| 1521 | General Contractors—Single-Family Houses | 1731 | Electrical Work Special Trade Contractors |
| 1522 | General Contractors—Residential Buildings, Other Than Single-Family | 174 | Masonry, Stone Work Tile Setting, and Plastering Special Trade Contractors |
| 153 | Operative Builders | 1741 | Masonry, Stone Setting, and Other Stone Work Special Trade Contractors |
| 1531 | Operative Builders | 1742 | Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors |
| 154 | General Building Contractors—Nonresidential Buildings | 1743 | Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors |
| 1541 | General Contractors—Industrial Buildings and Warehouses | 175 | Carpentry and Floor Work Special Trade Contractors |
| 1542 | General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses | 1751 | Carpentry Work Special Trade Contractors |
| 1752 | | 1752 | Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified |
| 16 | HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS | 176 | Roofing, Siding, and Sheet Metal Work Special Trade Contractors |
| 161 | Highway and Street Construction, Except Elevated Highways | 1761 | Roofing, Siding, and Sheet Metal Work Special Trade Contractors |
| 1611 | Highway and Street Construction Contractors, Except Elevated Highways | 177 | Concrete Work Special Trade Contractors |
| 162 | Heavy Construction, Except Highway and Street Construction | 1771 | Concrete Work Special Trade Contractors |
| 1622 | Bridge, Tunnel, and Elevated Highway Construction Contractors | 178 | Water Well Drilling Special Trade Contractors |
| 1623 | Water, Sewer, Pipeline, and Communications and Powerline Construction | 1781 | Water Well Drilling Special Trade Contractors |
| 1629 | Heavy Construction, Not Elsewhere Classified | 179 | Miscellaneous Special Trade Contractors |
| 17 | CONSTRUCTION—SPECIAL TRADE CONTRACTORS | 1791 | Structural Steel Erection Special Trade Contractors |
| 171 | Plumbing, Heating, and Air-Conditioning Special Trade Contractors | 1793 | Glass and Glazing Work Special Trade Contractors |
| 1711 | Plumbing, Heating, and Air-Conditioning Special Trade Contractors | 1794 | Excavation Work Special Trade Contractors |
| 1795 | | 1795 | Wrecking and Demolition Work Special Trade Contractors |
| 172 | Painting and Paper Hanging Special Trade Contractors | 1796 | Installation or Erection of Building Equipment, Special Trade Contractors, Not Elsewhere Classified |
| 1721 | Painting and Paper Hanging Special Trade Contractors | 1799 | Special Trade Contractors, Not Elsewhere Classified |
| | | 6552 | LAND SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES |



APPENDIX C.

Regions, Census Divisions, and States

NORTHEAST

New England States

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Middle Atlantic States

New Jersey
New York
Pennsylvania

MIDWEST

East North Central States

Illinois
Indiana
Michigan
Ohio
Wisconsin

West North Central States

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH

South Atlantic States

Delaware
District of Columbia
Florida
Georgia
Maryland

South Atlantic States—Con.

North Carolina
South Carolina
Virginia
West Virginia

East South Central States

Alabama
Kentucky
Mississippi
Tennessee

West South Central States

Arkansas
Louisiana
Oklahoma
Texas

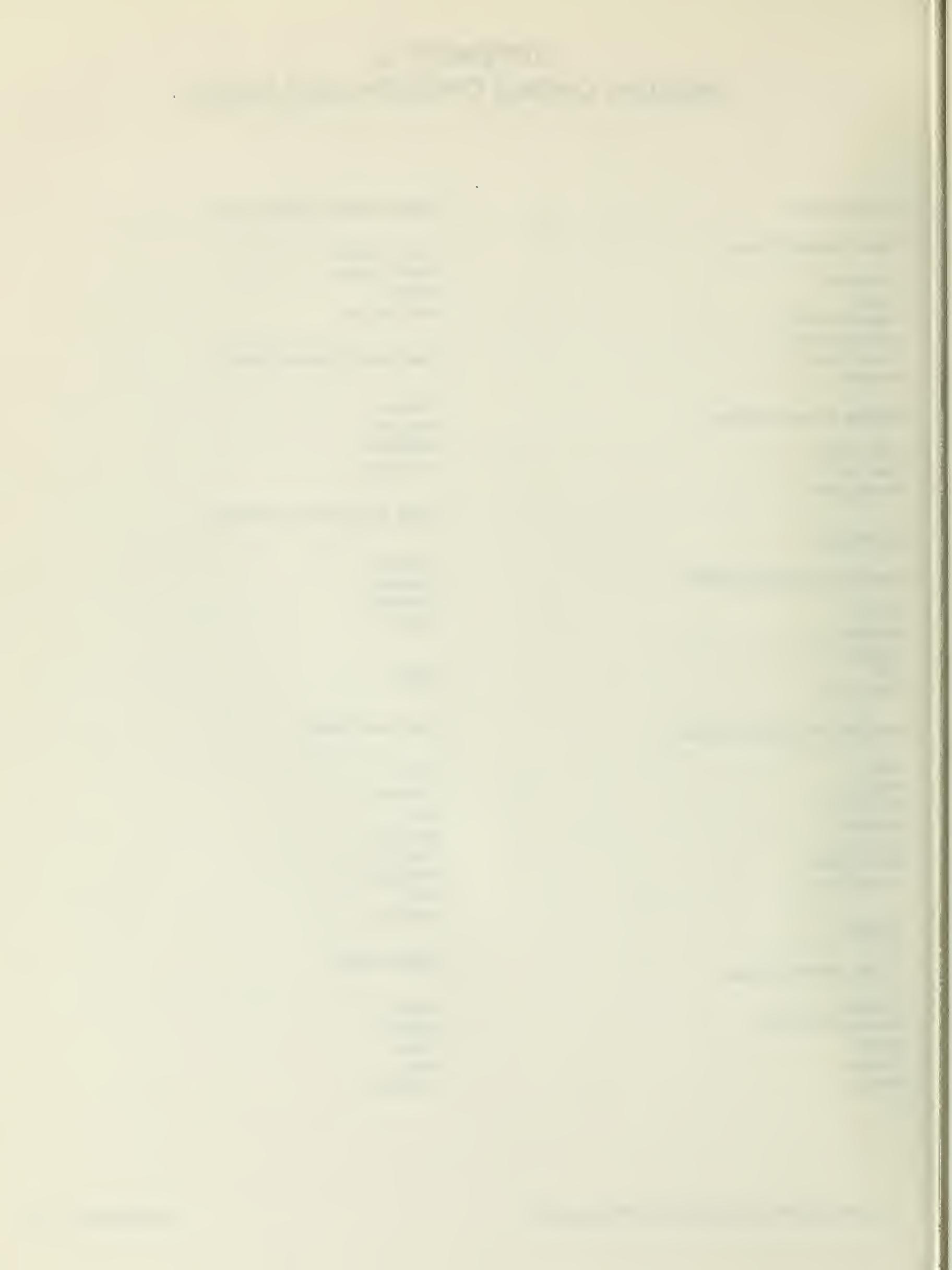
WEST

Mountain States

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

Pacific States

Alaska
California
Hawaii
Oregon
Washington



APPENDIX D.

Metropolitan Statistical Areas

[Titles and definitions shown for MSA's, PMSA's, and CMSA's are those established by the Office of Management and Budget, as of June 30, 1987]

| | | |
|--|------------------------------|--|
| Abilene, TX MSA | Atlanta, GA MSA —Con. | Beaumont-Port Arthur, TX MSA |
| Taylor County, TX | Fayette County, GA | Hardin County, TX |
| Akron, OH PMSA —see Cleveland-Akron-Lorain, OH CMSA | Forsyth County, GA | Jefferson County, TX |
| Albany, GA MSA | Fulton County, GA | Orange County, TX |
| Dougherty County, GA | Gwinnett County, GA | Beaver County, PA PMSA —see Pittsburgh-Beaver Valley, PA CMSA |
| Lee County, GA | Henry County, GA | Bellingham, WA MSA |
| Albany-Schenectady-Troy, NY MSA | Newton County, GA | Whatcom County, WA |
| Albany County, NY | Paulding County, GA | Benton Harbor, MI MSA |
| Greene County, NY | Rockdale County, GA | Berrien County, MI |
| Montgomery County, NY | Spalding County, GA | Bergen-Passaic, NJ PMSA —see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA |
| Rensselaer County, NY | Walton County, GA | Billings, MT MSA |
| Saratoga County, NY | Atlantic City, NJ MSA | Yellowstone County, MT |
| Schenectady County, NY | Atlantic County, NJ | Biloxi-Gulfport, MS MSA |
| Albuquerque, NM MSA | Cape May County, NJ | Hancock County, MS |
| Bernalillo County, NM | Augusta, GA-SC MSA | Harrison County, MS |
| Alexandria, LA MSA | Columbia County, GA | Binghamton, NY MSA |
| Rapides Parish, LA | McDuffie County, GA | Broome County, NY |
| Allentown-Bethlehem, PA-NJ MSA | Richmond County, GA | Tioga County, NY |
| Warren County, NJ | Aiken County, SC | Birmingham, AL MSA |
| Carbon County, PA | | Blount County, AL |
| Lehigh County, PA | | Jefferson County, AL |
| Northampton County, PA | | St. Clair County, AL |
| Altoona, PA MSA | | Shelby County, AL |
| Blair County, PA | | Walker County, AL |
| Amarillo, TX MSA | | Bismarck, ND MSA |
| Potter County, TX | | Burleigh County, ND |
| Randall County, TX | | Morton County, ND |
| Anaheim-Santa Ana, CA PMSA —see Los Angeles-Anaheim-Riverside, CA CMSA | | Bloomington, IN MSA |
| Anchorage, AK MSA | | Monroe County, IN |
| Anchorage Borough, AK | | Bloomington-Normal, IL MSA |
| Anderson, IN MSA | | McLean County, IL |
| Madison County, IN | | Boise City, ID MSA |
| Anderson, SC MSA | | Ada County, ID |
| Anderson County, SC | | Boston, MA PMSA —see Boston-Lawrence-Salem, MA-NH CMSA |
| Ann Arbor, MI PMSA —see Detroit-Ann Arbor, MI CMSA | | Boston-Lawrence-Salem, MA-NH CMSA |
| Anniston, AL MSA | | Boston, MA PMSA |
| Calhoun County, AL | | Bristol County, MA (part) |
| Appleton-Oshkosh-Neenah, WI MSA | | Mansfield town, MA |
| Calumet County, WI | | Norton town, MA |
| Outagamie County, WI | | Raynham town, MA |
| Winnebago County, WI | | Essex County, MA (part) |
| Asheville, NC MSA | | Lynn city, MA |
| Buncombe County, NC | | Lynnfield town, MA |
| Athens, GA MSA | | Nahant town, MA |
| Clarke County, GA | | Saugus town, MA |
| Jackson County, GA | | Middlesex County, MA (part) |
| Madison County, GA | | Acton town, MA |
| Ocnee County, GA | | Arlington town, MA |
| Atlanta, GA MSA | | Ashland town, MA |
| Barrow County, GA | | Ayer town, MA |
| Butts County, GA | | Bedford town, MA |
| Cherokee County, GA | | Belmont town, MA |
| Clayton County, GA | | Boxborough town, MA |
| Cobb County, GA | | Burlington town, MA |
| Coweta County, GA | | Cambridge city, MA |
| De Kalb County, GA | | Carlisle town, MA |
| Douglas County, GA | | Concord town, MA |
| | | |

Boston-Lawrence-Salem, MA-NH CMSA—Con.

Boston, MA PMSA—Con.
 Middlesex County, MA (part)—Con.
 Everett city, MA
 Framingham town, MA
 Groton town, MA
 Holliston town, MA
 Hopkinton town, MA
 Hudson town, MA
 Lexington town, MA
 Lincoln town, MA
 Littleton town, MA
 Malden city, MA
 Marlborough city, MA
 Maynard town, MA
 Medford city, MA
 Melrose city, MA
 Natick town, MA
 Newton city, MA
 North Reading town, MA
 Reading town, MA
 Sherborn town, MA
 Shirley town, MA
 Somerville city, MA
 Stoneham town, MA
 Stow town, MA
 Sudbury town, MA
 Townsend town, MA
 Wakefield town, MA
 Waltham city, MA
 Watertown town, MA
 Wayland town, MA
 Weston town, MA
 Wilmington town, MA
 Winchester town, MA
 Woburn city, MA
 Norfolk County, MA (part)
 Bellingham town, MA
 Braintree town, MA
 Brookline town, MA
 Canton town, MA
 Cohasset town, MA
 Dedham town, MA
 Dover town, MA
 Foxborough town, MA
 Franklin town, MA
 Holbrook town, MA
 Medfield town, MA
 Medway town, MA
 Millis town, MA
 Milton town, MA
 Needham town, MA
 Norfolk town, MA
 Norwood town, MA
 Quincy city, MA
 Randolph town, MA
 Sharon town, MA
 Stoughton town, MA
 Walpole town, MA
 Wellesley town, MA
 Westwood town, MA
 Weymouth town, MA
 Wrentham town, MA
 Plymouth County, MA (part)
 Carver town, MA
 Duxbury town, MA
 Hanover town, MA
 Hanson town, MA
 Hingham town, MA
 Hull town, MA

Boston-Lawrence-Salem, MA-NH CMSA—Con.

Boston, MA PMSA—Con.
 Plymouth County, MA (part)—Con.
 Kingston town, MA
 Lakeville town, MA
 Marshfield town, MA
 Middleborough town, MA
 Norwell town, MA
 Pembroke town, MA
 Plymouth town, MA
 Plympton town, MA
 Rockland town, MA
 Scituate town, MA
 Suffolk County, MA (part)
 Boston city, MA
 Chelsea city, MA
 Revere city, MA
 Winthrop town, MA
 Worcester County, MA (part)
 Berlin town, MA
 Bolton town, MA
 Harvard town, MA
 Hopedale town, MA
 Lancaster town, MA
 Mendon town, MA
 Milford town, MA
 Southborough town, MA
 Upton town, MA
 Brockton, MA PMSA
 Bristol County, MA (part)
 Easton town, MA
 Norfolk County, MA (part)
 Avon town, MA
 Plymouth County, MA (part)
 Abington town, MA
 Bridgewater town, MA
 Brockton city, MA
 East Bridgewater town, MA
 Halifax town, MA
 West Bridgewater town, MA
 Whitman town, MA
 Lawrence-Haverhill, MA-NH PMSA
 Essex County, MA (part)
 Amesbury town, MA
 Andover town, MA
 Boxford town, MA
 Georgetown town, MA
 Groveland town, MA
 Haverhill city, MA
 Lawrence city, MA
 Merrimac town, MA
 Methuen town, MA
 Newbury town, MA
 Newburyport city, MA
 North Andover town, MA
 Salisbury town, MA
 West Newbury town, MA
 Rockingham County, NH (part)
 Atkinson town, NH
 Brentwood town, NH
 Danville town, NH
 Derry town, NH
 East Kingston town, NH
 Hampstead town, NH
 Kingston town, NH
 Newton town, NH
 Plaistow town, NH
 Salem town, NH
 Sandown town, NH
 Seabrook town, NH
 Windham town, NH

Boston-Lawrence-Salem, MA-NH CMSA—Con.

Lowell, MA-NH PMSA
 Middlesex County, MA (part)
 Billerica town, MA
 Chelmsford town, MA
 Dracut town, MA
 Dunstable town, MA
 Lowell city, MA
 Pepperell town, MA
 Tewksbury town, MA
 Tyngsborough town, MA
 Westford town, MA
 Hillsborough County, NH (part)
 Pelham town, NH
 Nashua, NH PMSA
 Hillsborough County, NH (part)
 Amherst town, NH
 Brookline town, NH
 Hollis town, NH
 Hudson town, NH
 Litchfield town, NH
 Merrimack town, NH
 Milford town, NH
 Mont Vernon town, NH
 Nashua city, NH
 Wilton town, NH
 Rockingham County, NH (part)
 Londonderry town, NH
 Salem-Gloucester, MA PMSA
 Essex County, MA (part)
 Beverly city, MA
 Danvers town, MA
 Essex town, MA
 Gloucester city, MA
 Hamilton town, MA
 Ipswich town, MA
 Manchester town, MA
 Marblehead town, MA
 Middleton town, MA
 Peabody city, MA
 Rockport town, MA
 Rowley town, MA
 Salem city, MA
 Swampscott town, MA
 Topsfield town, MA
 Wenham town, MA
Boulder-Longmont, CO PMSA—see Denver-Boulder, CO CMSA
Bradenton, FL MSA
 Manatee County, FL
Brazoria, TX PMSA—see Houston-Galveston-Brazoria, TX CMSA
Bremerton, WA MSA
 Kitsap County, WA
Bridgeport-Milford, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA
Bristol, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA
Brockton, MA PMSA—see Boston-Lawrence-Salem, MA-NH CMSA
Brownsville-Harlingen, TX MSA
 Cameron County, TX
Bryan-College Station, TX MSA
 Brazos County, TX
Buffalo, NY PMSA—see Buffalo-Niagara Falls, NY CMSA

Buffalo-Niagara Falls, NY CMSA

Buffalo, NY PMSA

Erie County, NY

Niagara Falls, NY PMSA

Niagara County, NY

Burlington, NC MSA

Alamance County, NC

Burlington, VT MSA

Chittenden County, VT (part)

Burlington city, VT

Charlotte town, VT

Colchester town, VT

Essex Junction village, VT

Essex town balance, VT

Hinesburg town, VT

Jericho town, VT

Jericho village, VT

Milton town, VT

Milton village, VT

Richmond town, VT

Richmond village, VT

St. George town, VT

Shelburne town, VT

South Burlington city, VT

Williston town, VT

Winooski city, VT

Franklin County, VT (part)

Georgia town, VT

Grand Isle town, VT

South Hero town, VT

Canton, OH MSA

Carroll County, OH

Stark County, OH

Casper, WY MSA

Natrona County, WY

Cedar Rapids, IA MSA

Linn County, IA

Champaign-Urbana-Rantoul, IL MSA

Champaign County, IL

Charleston, SC MSA

Berkeley County, SC

Charleston County, SC

Dorchester County, SC

Charleston, WV MSA

Kanawha County, WV

Putnam County, WV

Charlotte-Gastonia-Rock Hill, NC-SC MSA

Cabarrus County, NC

Gaston County, NC

Lincoln County, NC

Mecklenburg County, NC

Rowan County, NC

Union County, NC

York County, SC

Charlottesville, VA MSA

Albemarle County, VA

Fluvanna County, VA

Greene County, VA

Charlottesville city, VA

Chattanooga, TN-GA MSA

Catoosa County, GA

Dade County, GA

Walker County, GA

Hamilton County, TN

Marion County, TN

Sequatchie County, TN

Cheyenne, WY MSA

Laramie County, WY

Chicago, IL PMSA—see Chicago-Gary-Lake**County, IL-IN-WI CMSA****Chicago-Gary-Lake County, IL-IN-WI CMSA**

Aurora-Elgin, IL PMSA

Kane County, IL

Kendall County, IL

Chicago, IL PMSA

Cook County, IL

Du Page County, IL

McHenry County, IL

Gary-Hammond, IN PMSA

Lake County, IN

Porter County, IN

Joliet, IL PMSA

Grundy County, IL

Will County, IL

Kenosha, WI PMSA

Kenosha County, WI

Lake County, IL PMSA

Lake County, IL

Chico, CA MSA

Butte County, CA

Cincinnati, OH-KY-IN PMSA—see Cincinnati**Hamilton, OH-KY-IN CMSA****Cincinnati-Hamilton, OH-KY-IN CMSA**

Cincinnati, OH-KY-IN PMSA

Dearborn County, IN

Boone County, KY

Campbell County, KY

Kenton County, KY

Clermont County, OH

Hamilton County, OH

Warren County, OH

Hamilton-Middletown, OH PMSA

Butler County, OH

Clarksville-Hopkinsville, TN-KY MSA

Christian County, KY

Montgomery County, TN

Cleveland, OH PMSA—see Cleveland-Akron**Lorain, OH CMSA****Cleveland-Akron-Lorain, OH CMSA**

Akron, OH PMSA

Portage County, OH

Summit County, OH

Cleveland, OH PMSA

Cuyahoga County, OH

Geauga County, OH

Lake County, OH

Medina County, OH

Lorain-Elyria, OH PMSA

Lorain County, OH

Colorado Springs, CO MSA

El Paso County, CO

Columbia, MO MSA

Boone County, MO

Columbia, SC MSA

Lexington County, SC

Richland County, SC

Columbus, GA-AL MSA

Russell County, AL

Chattahoochee County, GA

Muscogee County, GA

Columbus, OH MSA

Delaware County, OH

Fairfield County, OH

Franklin County, OH

Licking County, OH

Madison County, OH

Pickaway County, OH

Union County, OH

Corpus Christi, TX MSA

Nueces County, TX

San Patricio County, TX

Cumberland, MD-WV MSA

Allegany County, MD

Mineral County, WV

Dallas, TX PMSA—see Dallas-Fort Worth, TX CMSA**Dallas-Fort Worth, TX CMSA**

Dallas, TX PMSA

Collin County, TX

Dallas County, TX

Denton County, TX

Ellis County, TX

Kaufman County, TX

Rockwall County, TX

Fort Worth-Arlington, TX PMSA

Johnson County, TX

Parker County, TX

Tarrant County, TX

Danbury, CT PMSA—see New York-Northern**New Jersey-Long Island, NY-NJ-CT CMSA****Danville, VA MSA**

Pittsylvania County, VA

Danville city, VA

Davenport-Rock Island-Moline, IA-IL MSA

Henry County, IL

Rock Island County, IL

Scott County, IA

Dayton-Springfield, OH MSA

Clark County, OH

Greene County, OH

Miami County, OH

Montgomery County, OH

Daytona Beach, FL MSA

Volusia County, FL

Decatur, IL MSA

Macon County, IL

Denver, CO PMSA—see Denver-Boulder, CO CMSA**Denver-Boulder, CO CMSA**

Boulder-Longmont, CO PMSA

Boulder County, CO

Denver, CO PMSA

Adams County, CO

Arapahoe County, CO

Denver County, CO

Douglas County, CO

Jefferson County, CO

Des Moines, IA MSA

Dallas County, IA

Polk County, IA

Warren County, IA

Detroit, MI PMSA—see Detroit-Ann Arbor, MI CMSA**Detroit-Ann Arbor, MI CMSA**

Ann Arbor, MI PMSA

Washtenaw County, MI

Detroit, MI PMSA

Lapeer County, MI

Livingston County, MI

Macomb County, MI

Monroe County, MI

Oakland County, MI

St. Clair County, MI

Wayne County, MI

Dothan, AL MSA

Dale County, AL

Houston County, AL

Dubuque, IA MSA

Dubuque County, IA

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| Duluth, MN-WI MSA | Fresno, CA MSA | Hartford-New Britain-Middletown, CT CMSA —Con. |
| St. Louis County, MN | Fresno County, CA | Hartford, CT PMSA—Con. |
| Douglas County, WI | | Hartford County, CT (part)—Con. |
| Eau Claire, WI MSA | Gadsden, AL MSA | Newington town, CT |
| Chippewa County, WI | Etowah County, AL | Rocky Hill town, CT |
| Eau Claire County, WI | | Simsbury town, CT |
| El Paso, TX MSA | Gainesville, FL MSA | South Windsor town, CT |
| El Paso County, TX | Alachua County, FL | Suffield town, CT |
| Elkhart-Goshen, IN MSA | Bradford County, FL | West Hartford town, CT |
| Elkhart County, IN | | Wethersfield town, CT |
| Elmira, NY MSA | Galveston-Texas City, TX PMSA —see Houston-Galveston-Brazoria, TX CMSA | Windsor Locks town, CT |
| Chemung County, NY | | Windsor town, CT |
| Enid, OK MSA | Gary-Hammond, IN PMSA —see Chicago-Gary-Lake County, IL-IN-WI CMSA | Litchfield County, CT (part) |
| Garfield County, OK | | Barkhamsted town, CT |
| Erie, PA MSA | Glens Falls, NY MSA | New Hartford town, CT |
| Erie County, PA | Warren County, NY | East Haddam town, CT |
| Eugene-Springfield, OR MSA | Washington County, NY | New London County, CT (part) |
| Lane County, OR | | Colchester borough, CT |
| Evansville, IN-KY MSA | Grand Forks, ND MSA | Colchester town balance, CT |
| Posey County, IN | Grand Forks County, ND | Tolland County, CT (part) |
| Vanderburgh County, IN | | Andover town, CT |
| Warrick County, IN | Grand Rapids, MI MSA | Bolton town, CT |
| Henderson County, KY | Kent County, MI | Columbia town, CT |
| Fall River, MA-RI PMSA —see Providence-Pawtucket-Fall River, RI-MA CMSA | Ottawa County, MI | Coventry town, CT |
| Fargo-Moorhead, ND-MN MSA | Great Falls, MT MSA | Ellington town, CT |
| Clay County, MN | Cascade County, MT | Hebron town, CT |
| Cass County, ND | | Somers town, CT |
| Fayetteville, NC MSA | Greeley, CO MSA | Stafford Springs borough, CT |
| Cumberland County, NC | Weld County, CO | Stafford town balance, CT |
| Fayetteville-Springdale, AR MSA | | Tolland County, CT (part) |
| Washington County, AR | Green Bay, WI MSA | Andover town, CT |
| Fitchburg-Leominster, MA MSA | Brown County, WI | Bolton town, CT |
| Middlesex County, MA (part) | | Columbia town, CT |
| Ashby town, MA | Greensboro-Winston-Salem-High Point, NC MSA | Coventry town, CT |
| Worcester County, MA (part) | Davidson County, NC | Ellington town, CT |
| Ashburnham town, MA | Davie County, NC | Hebron town, CT |
| Fitchburg city, MA | Forsyth County, NC | Somers town, CT |
| Leominster city, MA | Guilford County, NC | Stafford Springs borough, CT |
| Lunenburg town, MA | Randolph County, NC | Stafford town balance, CT |
| Westminster town, MA | Stokes County, NC | Tolland County, CT (part) |
| Flint, MI MSA | Yadkin County, NC | Andover town, CT |
| Genesee County, MI | Greenville-Spartanburg, SC MSA | Bolton town, CT |
| Florence, AL MSA | Greenville County, SC | Columbia town, CT |
| Colbert County, AL | Pickens County, SC | Coventry town, CT |
| Lauderdale County, AL | Spartanburg County, SC | Ellington town, CT |
| Florence, SC MSA | | Hebron town, CT |
| Florence County, SC | Hagerstown, MD MSA | Somers town, CT |
| Fort Collins-Loveland, CO MSA | Washington County, MD | Stafford Springs borough, CT |
| Larimer County, CO | | Stafford town balance, CT |
| Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA —see Miami-Fort Lauderdale, FL CMSA | Hamilton-Middletown, OH PMSA —see Cincinnati-Hamilton, OH-KY-IN CMSA | Tolland County, CT (part) |
| Fort Myers-Cape Coral, FL MSA | | Andover town, CT |
| Lee County, FL | Harrisburg-Lebanon-Carlisle, PA MSA | Bolton town, CT |
| Fort Pierce, FL MSA | Cumberland County, PA | Columbia town, CT |
| Martin County, FL | Dauphin County, PA | Coventry town, CT |
| St. Lucie County, FL | Lebanon County, PA | Ellington town, CT |
| Fort Smith, AR-OK MSA | Perry County, PA | Hebron town, CT |
| Crawford County, AR | | Somers town, CT |
| Sebastian County, AR | Hartford, CT PMSA —see Hartford-New Britain-Middletown, CT CMSA | Stafford Springs borough, CT |
| Sequoyah County, OK | | Stafford town balance, CT |
| Fort Walton Beach, FL MSA | Hartford-New Britain-Middletown, CT CMSA | Tolland County, CT (part) |
| Okaloosa County, FL | Bristol, CT PMSA | Andover town, CT |
| Fort Wayne, IN MSA | Hartford County, CT (part) | Bolton town, CT |
| Allen County, IN | Bristol city, CT | Columbia town, CT |
| De Kalb County, IN | Burlington town, CT | Coventry town, CT |
| Whitley County, IN | Litchfield County, CT (part) | Ellington town, CT |
| Fort Worth-Arlington, TX PMSA —see Dallas-Fort Worth, TX CMSA | Plymouth town, CT | Hebron town, CT |
| | Hartford, CT PMSA | Somers town, CT |
| | Hartford County, CT (part) | Stafford Springs borough, CT |
| | Avon town, CT | Stafford town balance, CT |
| | Bloomfield town, CT | Hickory, NC MSA |
| | Canton town, CT | Alexander County, NC |
| | East Granby town, CT | Burke County, NC |
| | East Hartford town, CT | Catawba County, NC |
| | East Windsor town, CT | Honolulu, HI MSA |
| | Enfield town, CT | Honolulu County, HI |
| | Farmington town, CT | Houma-Thibodaux, LA MSA |
| | Glastonbury town, CT | Lafourche Parish, LA |
| | Granby town, CT | Terrebonne Parish, LA |
| | Hartford city, CT | Houston, TX PMSA —see Houston-Galveston-Brazoria, TX CMSA |
| | Manchester town, CT | Brazoria, TX CMSA |
| | Marlborough town, CT | Houston-Galveston-Brazoria, TX CMSA |

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| Huntington-Ashland, WV-KY-OH MSA | Kenosha, WI PMSA —see Chicago-Gary-Lake County, IL-IN-WI CMSA | Longview-Marshall, TX MSA |
| Boyd County, KY | Bell County, TX | Gregg County, TX |
| Carter County, KY | Coryell County, TX | Harrison County, TX |
| Greenup County, KY | | Lorain-Elyria, OH PMSA —see Cleveland-Akron-Lorain, OH CMSA |
| Lawrence County, OH | | |
| Cabell County, WV | | Los Angeles-Anaheim-Riverside, CA CMSA |
| Wayne County, WV | | Anaheim-Santa Ana, CA PMSA |
| Huntsville, AL MSA | | Orange County, CA |
| Madison County, AL | | Los Angeles-Long Beach, CA PMSA |
| Indianapolis, IN MSA | | Los Angeles County, CA |
| Boone County, IN | | Oxnard-Ventura, CA PMSA |
| Hamilton County, IN | | Ventura County, CA |
| Hancock County, IN | | Riverside-San Bernardino, CA PMSA |
| Hendricks County, IN | | Riverside County, CA |
| Johnson County, IN | | San Bernardino County, CA |
| Marion County, IN | | Los Angeles-Long Beach, CA PMSA —see Los Angeles-Anaheim-Riverside, CA CMSA |
| Morgan County, IN | | |
| Shelby County, IN | | Louisville, KY-IN MSA |
| Iowa City, IA MSA | | Clark County, IN |
| Johnson County, IA | | Floyd County, IN |
| Jackson, MI MSA | | Harrison County, IN |
| Jackson County, MI | | Bullitt County, KY |
| Jackson, MS MSA | | Jefferson County, KY |
| Hinds County, MS | | Oldham County, KY |
| Madison County, MS | | Shelby County, KY |
| Rankin County, MS | | Lowell, MA-NH PMSA —see Boston-Lawrence-Salem, MA-NH CMSA |
| Jackson, TN MSA | | Lubbock, TX MSA |
| Madison County, TN | | Lubbock County, TX |
| Jacksonville, FL MSA | | Lynchburg, VA MSA |
| Clay County, FL | | Amherst County, VA |
| Duval County, FL | | Campbell County, VA |
| Nassau County, FL | | Lynchburg city, VA |
| St. Johns County, FL | | Macon-Warner Robins, GA MSA |
| Jacksonville, NC MSA | | Bibb County, GA |
| Onslow County, NC | | Houston County, GA |
| Janesville-Beloit, WI MSA | | Jones County, GA |
| Rock County, WI | | Peach County, GA |
| JerseyCity, NJ PMSA —see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA | | Madison, WI MSA |
| Johnson City-Kingsport-Bristol, TN-VA MSA | | Dane County, WI |
| Carter County, TN | | Manchester, NH MSA |
| Hawkins County, TN | | Hillsborough County, NH (part) |
| Sullivan County, TN | | Bedford town, NH |
| Unicoi County, TN | | Goffstown town, NH |
| Washington County, TN | | Manchester city, NH |
| Scott County, VA | | Merrimack County, NH (part) |
| Washington County, VA | | Allenstown town, NH |
| Bristol city, VA | | Hooksett town, NH |
| Johnstown, PA MSA | | Auburn town, NH |
| Cambria County, PA | | Candia town, NH |
| Somerset County, PA | | Mansfield, OH MSA |
| Joliet, IL PMSA —see Chicago-Gary-Lake County, IL-IN-WI CMSA | | Richland County, OH |
| Joplin, MO MSA | | McAllen-Edinburg-Mission, TX MSA |
| Jasper County, MO | | Hidalgo County, TX |
| Newton County, MO | | Medford, OR MSA |
| Kalamazoo, MI MSA | | Jackson County, OR |
| Kalamazoo County, MI | | Melbourne-Titusville-Palm Bay, FL MSA |
| Kankakee, IL MSA | | Brevard County, FL |
| Kankakee County, IL | | Memphis, TN-AR-MS MSA |
| Kansas City, MO-KS MSA | | Crittenden County, AR |
| Johnson County, KS | | De Soto County, MS |
| Leavenworth County, KS | | Shelby County, TN |
| Miami County, KS | | Tipton County, TN |
| Wyandotte County, KS | | Merced, CA MSA |
| Cass County, MO | | Merced County, CA |
| Clay County, MO | | Miami-Fort Lauderdale, FL CMSA |
| Jackson County, MO | | Fort Lauderdale-Hollywood-Pompano Beach, FL PMSA |
| Lafayette County, MO | | Broward County, FL |
| Platte County, MO | | Miami-Hialeah, FL PMSA |
| Ray County, MO | | Dade County, FL |

Miami-Hialeah, FL PMSA—see Miami-Fort Lauderdale, FL CMSA

Middlesex-Somerset-Hunterdon, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

Middletown, CT PMSA—see Hartford-New Britain-Middletown, CT CMSA

Midland, TX MSA

- Midland County, TX

Milwaukee, WI PMSA—see Milwaukee-Racine, WI CMSA

Milwaukee-Racine, WI CMSA

- Milwaukee, WI PMSA
- Milwaukee County, WI
- Ozaukee County, WI
- Washington County, WI
- Waukesha County, WI
- Racine, WI PMSA
- Racine County, WI

Minneapolis-St. Paul, MN-WI MSA

- Anoka County, MN
- Carver County, MN
- Chisago County, MN
- Dakota County, MN
- Hennepin County, MN
- Isanti County, MN
- Ramsey County, MN
- Scott County, MN
- Washington County, MN
- Wright County, MN
- St. Croix County, WI

Mobile, AL MSA

- Baldwin County, AL
- Mobile County, AL

Modesto, CA MSA

- Stanislaus County, CA

Monmouth-Ocean, NJ PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

Monroe, LA MSA

- Ouachita Parish, LA

Montgomery, AL MSA

- Autauga County, AL
- Elmore County, AL
- Montgomery County, AL

Muncie, IN MSA

- Delaware County, IN

Muskegon, MI MSA

- Muskegon County, MI

Naples, FL MSA

- Collier County, FL

Nashua, NH PMSA—see Boston-Lawrence-Salem, MA-NH CMSA

Nashville, TN MSA

- Cheatham County, TN
- Davidson County, TN
- Dickson County, TN
- Robertson County, TN
- Rutherford County, TN
- Sumner County, TN
- Williamson County, TN
- Wilson County, TN

Nassau-Suffolk, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

New Bedford, MA MSA

- Bristol County, MA (part)
- Acushnet town, MA
- Dartmouth town, MA
- Fairhaven town, MA
- Freetown town, MA
- New Bedford city, MA

New Bedford, MA MSA—Con.

- Plymouth County, MA (part)
- Marion town, MA
- Mattapoisett town, MA
- Rochester town, MA

New Britain, CT PMSA—see Hartford-New Britain-Middlesex, CT CMSA

New Haven-Meriden, CT MSA

- Middlesex County, CT (part)
- Clinton town, CT
- Killingworth town, CT
- New Haven County, CT (part)
- Bethany town, CT
- Branford town, CT
- Cheshire town, CT
- East Haven town, CT
- Guilford town, CT
- Hamden town, CT
- Madison town, CT
- Meriden city, CT
- New Haven city, CT
- North Branford town, CT
- North Haven town, CT
- Orange town, CT
- Wallingford town, CT
- West Haven city, CT
- Woodbridge town, CT

New London-Norwich, CT-RI MSA

- New London County, CT (part)
- Bozrah town, CT
- East Lyme town, CT
- Franklin town, CT
- Griswold town balance, CT
- Groton city, CT
- Groton town balance, CT
- Jewett City borough, CT
- Ledyard town, CT
- Lisbon town, CT
- Montville town, CT
- New London city, CT
- North Stonington town, CT
- Norwich city, CT
- Old Lyme town, CT
- Preston town, CT
- Salem town, CT
- Sprague town, CT
- Stonington town, CT
- Waterford town, CT
- Windham County, CT (part)
- Canterbury town, CT
- Washington County, RI (part)
- Hopkinton town, RI
- Westerly town, RI

New Orleans, LA MSA

- Jefferson Parish, LA
- Orleans Parish, LA
- St. Bernard Parish, LA
- St. Charles Parish, LA
- St. John the Baptist Parish, LA
- St. Tammany Parish, LA

New York, NY PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA

- Bergen-Passaic, NJ PMSA
- Bergen County, NJ
- Passaic County, NJ
- Bridgeport-Milford, CT PMSA
- Fairfield County, CT (part)
- Bridgeport city, CT
- Easton town, CT
- Fairfield town, CT
- Monroe town, CT

New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA—Con.

- Bridgeport-Milford, CT PMSA—Con.
- Fairfield County, CT (part)—Con.
- Shelton city, CT
- Stratford town, CT
- Trumbull town, CT
- New Haven County, CT (part)
- Ansonia city, CT
- Beacon Falls town, CT
- Derby city, CT
- Milford city, CT
- Milford town balance, CT
- Oxford town, CT
- Seymour town, CT
- Woodmont borough, CT
- Danbury, CT PMSA
- Fairfield County, CT (part)
- Bethel town, CT
- Brookfield town, CT
- Danbury city, CT
- New Fairfield town, CT
- Newtown town, CT
- Redding town, CT
- Ridgefield town, CT
- Sherman town, CT
- Litchfield County, CT (part)
- Bridgewater town, CT
- New Milford town, CT
- Jersey City, NJ PMSA
- Hudson County, NJ
- Middlesex-Somerset-Hunterdon, NJ PMSA
- Hunterdon County, NJ
- Middlesex County, NJ
- Somerset County, NJ
- Monmouth-Ocean, NJ PMSA
- Monmouth County, NJ
- Ocean County, NJ
- Nassau-Suffolk, NY PMSA
- Nassau County, NY
- Suffolk County, NY
- New York, NY PMSA
- Bronx County, NY
- Kings County, NY
- New York County, NY
- Putnam County, NY
- Queens County, NY
- Richmond County, NY
- Rockland County, NY
- Westchester County, NY
- Newark, NJ PMSA
- Essex County, NJ
- Morris County, NJ
- Sussex County, NJ
- Union County, NJ
- Norwalk, CT PMSA
- Fairfield County, CT (part)
- Norwalk city, CT
- Weston town, CT
- Westport town, CT
- Wilton town, CT
- Orange County, NY PMSA
- Orange County, NY
- Stamford, CT PMSA
- Fairfield County, CT (part)
- Darien town, CT
- Greenwich town, CT
- New Canaan town, CT
- Stamford city, CT

Newark, NJ PMSA—see **New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA**
Niagara Falls, NY PMSA—see **Buffalo-Niagara Falls, NY CMSA**
Norfolk-Virginia Beach-Newport News, VA MSA
 Gloucester County, VA
 James City County, VA
 York County, VA
 Chesapeake city, VA
 Hampton city, VA
 Newport News city, VA
 Norfolk city, VA
 Poquoson city, VA
 Portsmouth city, VA
 Suffolk city, VA
 Virginia Beach city, VA
 Williamsburg city, VA
Norwalk, CT PMSA—see **New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA**
Oakland, CA PMSA—see **San Francisco-Oakland-San Jose, CA CMSA**
Ocala, FL MSA
 Marion County, FL
Odessa, TX MSA
 Ector County, TX
Oklahoma City, OK MSA
 Canadian County, OK
 Cleveland County, OK
 Logan County, OK
 McClain County, OK
 Oklahoma County, OK
 Pottawatomie County, OK
Olympia, WA MSA
 Thurston County, WA
Omaha, NE-IA MSA
 Pottawattamie County, IA
 Douglas County, NE
 Sarpy County, NE
 Washington County, NE
Orange County, NY PMSA—see **New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA**
Orlando, FL MSA
 Orange County, FL
 Osceola County, FL
 Seminole County, FL
Owensboro, KY MSA
 Daviess County, KY
Oxnard-Ventura, CA PMSA—see **Los Angeles-Anaheim-Riverside, CA CMSA**
Panama City, FL MSA
 Bay County, FL
Parkersburg-Marietta, WV-OH MSA
 Washington County, OH
 Wood County, WV
Pascagoula, MS MSA
 Jackson County, MS
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—see **Providence-Pawtucket-Fall River, RI-MA CMSA**
Pensacola, FL MSA
 Escambia County, FL
 Santa Rosa County, FL
Peoria, IL MSA
 Peoria County, IL
 Tazewell County, IL
 Woodford County, IL
Philadelphia, PA-NJ PMSA—see **Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA**

Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA
 Philadelphia, PA-NJ PMSA
 Burlington County, NJ
 Camden County, NJ
 Gloucester County, NJ
 Bucks County, PA
 Chester County, PA
 Delaware County, PA
 Montgomery County, PA
 Philadelphia County, PA
 Trenton, NJ PMSA
 Mercer County, NJ
 Vineland-Millville-Bridgeton, NJ PMSA
 Cumberland County, NJ
Wilmington, DE-NJ-MD PMSA
 New Castle County, DE
 Cecil County, MD
 Salem County, NJ
Phoenix, AZ MSA
 Maricopa County, AZ
Pine Bluff, AR MSA
 Jefferson County, AR
Pittsburgh, PA PMSA—see **Pittsburgh-Beaver Valley, PA CMSA**
Pittsburgh-Beaver Valley, PA CMSA
 Beaver County, PA PMSA
 Beaver County, PA
Pittsburgh, PA PMSA
 Allegheny County, PA
 Fayette County, PA
 Washington County, PA
 Westmoreland County, PA
Pittsfield, MA MSA
 Berkshire County, MA (part)
 Cheshire town, MA
 Dalton town, MA
 Hinsdale town, MA
 Lanesborough town, MA
 Lee town, MA
 Lenox town, MA
 Pittsfield city, MA
 Richmond town, MA
 Stockbridge town, MA
Portland, ME MSA
 Cumberland County, ME (part)
 Cape Elizabeth town, ME
 Cumberland town, ME
 Falmouth town, ME
 Freeport town, ME
 Gorham town, ME
 Gray town, ME
 North Yarmouth town, ME
 Portland city, ME
 Raymond town, ME
 Scarborough town, ME
 South Portland city, ME
 Standish town, ME
 Westbrook city, ME
 Windham town, ME
 Yarmouth town, ME
 York County, ME (part)
 Buxton town, ME
 Hollis town, ME
 Old Orchard Beach town, ME
Portland, OR PMSA—see **Portland-Vancouver, OR-WA CMSA**

Portland-Vancouver, OR-WA CMSA
 Portland, OR PMSA
 Clackamas County, OR
 Multnomah County, OR
 Washington County, OR
 Yamhill County, OR
 Vancouver, WA PMSA
 Clark County, WA
Portsmouth-Dover-Rochester, NH-ME MSA
 York County, ME (part)
 Berwick town, ME
 Eliot town, ME
 Kittery town, ME
 North Berwick town, ME
 Ogunquit town, ME
 South Berwick town, ME
 Wells town, ME
 York town, ME
 Rockingham County, NH (part)
 Exeter town, NH
 Greenland town, NH
 Hampton town, NH
 New Castle town, NH
 Newfields town, NH
 Newington town, NH
 Newmarket town, NH
 North Hampton town, NH
 Portsmouth city, NH
 Rye town, NH
 Stratham town, NH
 Strafford County, NH (part)
 Barrington town, NH
 Dover city, NH
 Durham town, NH
 Farmington town, NH
 Lee town, NH
 Madbury town, NH
 Milton town, NH
 Rochester city, NH
 Rollinsford town, NH
 Somersworth city, NH
Poughkeepsie, NY MSA
 Dutchess County, NY
Providence, RI PMSA—see **Providence-Pawtucket-Fall River, RI-MA CMSA**
Providence-Pawtucket-Fall River, RI-MA CMSA
 Fall River, MA-RI PMSA
 Bristol County, MA (part)
 Fall River city, MA
 Somerset town, MA
 Swansea town, MA
 Westport town, MA
 Newport County, RI (part)
 Little Compton town, RI
 Tiverton town, RI
Pawtucket-Woonsocket-Attleboro, RI-MA PMSA
 Bristol County, MA (part)
 Attleboro city, MA
 North Attleborough town, MA
 Rehoboth town, MA
 Seekonk town, MA
 Norfolk County, MA (part)
 Plainville town, MA
 Worcester County, MA (part)
 Blackstone town, MA
 Millville town, MA
 Providence County, RI (part)
 Burrillville town, RI
 Central Falls city, RI
 Cumberland town, RI
 Lincoln town, RI

Providence-Pawtucket-Fall River, RI-MA CMSA—Con.
 Pawtucket-Woonsocket-Attleboro, RI-MA PMSA—Con.
 Providence County, RI (part)—Con.
 North Smithfield town, RI
 Pawtucket city, RI
 Smithfield town, RI
 Woonsocket city, RI
Providence, RI PMSA
 Bristol County, RI (part)
 Barrington town, RI
 Bristol town, RI
 Warren town, RI
 Kent County, RI (part)
 Coventry town, RI
 East Greenwich town, RI
 Warwick city, RI
 West Warwick town, RI
 Newport County, RI (part)
 Jamestown town, RI
Providence County, RI (part)
 Cranston city, RI
 East Providence city, RI
 Foster town, RI
 Gloucester town, RI
 Johnston town, RI
 North Providence town, RI
 Providence city, RI
 Scituate town, RI
 Washington County, RI (part)
 Exeter town, RI
 Narragansett town, RI
 North Kingstown town, RI
 Richmond town, RI
 South Kingstown town, RI
Provo-Orem, UT MSA
 Utah County, UT
Pueblo, CO MSA
 Pueblo County, CO
Racine, WI PMSA—see Milwaukee-Racine, WI CMSA
Raleigh-Durham, NC MSA
 Durham County, NC
 Franklin County, NC
 Orange County, NC
 Wake County, NC
Rapid City, SD MSA
 Pennington County, SD
Reading, PA MSA
 Berks County, PA
Redding, CA MSA
 Shasta County, CA
Reno, NV MSA
 Washoe County, NV
Richland-Kennewick-Pasco, WA MSA
 Benton County, WA
 Franklin County, WA
Richmond-Petersburg, VA MSA
 Charles City County, VA
 Chesterfield County, VA
 Dinwiddie County, VA
 Goochland County, VA
 Hanover County, VA
 Henrico County, VA
 New Kent County, VA
 Powhatan County, VA
 Prince George County, VA
 Colonial Heights city, VA
 Hopewell city, VA
 Petersburg city, VA
 Richmond city, VA

Riverside-San Bernardino, CA PMSA—see Los Angeles-Anaheim-Riverside, CA CMSA
Roanoke, VA MSA
 Botetourt County, VA
 Roanoke County, VA
 Roanoke city, VA
 Salem city, VA
Rochester, MN MSA
 Olmsted County, MN
Rochester, NY MSA
 Livingston County, NY
 Monroe County, NY
 Ontario County, NY
 Orleans County, NY
 Wayne County, NY
Rockford, IL MSA
 Boone County, IL
 Winnebago County, IL
Sacramento, CA MSA
 El Dorado County, CA
 Placer County, CA
 Sacramento County, CA
 Yolo County, CA
Saginaw-Bay City-Midland, MI MSA
 Bay County, MI
 Midland County, MI
 Saginaw County, MI
St. Cloud, MN MSA
 Benton County, MN
 Sherburne County, MN
 Stearns County, MN
St. Joseph, MO MSA
 Buchanan County, MO
St. Louis, MO-IL MSA
 Clinton County, IL
 Jersey County, IL
 Madison County, IL
 Monroe County, IL
 St. Clair County, IL
 Franklin County, MO
 Jefferson County, MO
 St. Charles County, MO
 St. Louis County, MO
 St. Louis city, MO
Salem, OR MSA
 Marion County, OR
 Polk County, OR
Salem-Gloucester, MA PMSA—see Boston-Lawrence-Salem, MA-NH CMSA
Salinas-Seaside-Monterey, CA MSA
 Monterey County, CA
Salt Lake City-Ogden, UT MSA
 Davis County, UT
 Salt Lake County, UT
 Weber County, UT
San Angelo, TX MSA
 Tom Green County, TX
San Antonio, TX MSA
 Bexar County, TX
 Comal County, TX
 Guadalupe County, TX
San Diego, CA MSA
 San Diego County, CA
San Francisco, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
San Francisco-Oakland-San Jose, CA CMSA
 Oakland, CA PMSA
 Alameda County, CA
 Contra Costa County, CA
San Francisco-Oakland-San Jose, CA CMSA—Con.
 San Francisco, CA PMSA
 Marin County, CA
 San Francisco County, CA
 San Mateo County, CA
 San Jose, CA PMSA
 Santa Clara County, CA
 Santa Cruz, CA PMSA
 Santa Cruz County, CA
 Santa Rosa-Petaluma, CA PMSA
 Sonoma County, CA
 Vallejo-Fairfield-Napa, CA PMSA
 Napa County, CA
 Solano County, CA
San Jose, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Santa Barbara-Santa Maria-Lompoc, CA MSA
 Santa Barbara County, CA
Santa Cruz, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Santa Fe, NM MSA
 Los Alamos County, NM
 Santa Fe County, NM
Santa Rosa-Petaluma, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA
Sarasota, FL MSA
 Sarasota County, FL
Savannah, GA MSA
 Chatham County, GA
 Effingham County, GA
Scranton-Wilkes-Barre, PA MSA
 Columbia County, PA
 Lackawanna County, PA
 Luzerne County, PA
 Monroe County, PA
 Wyoming County, PA
Seattle, WA PMSA—see Seattle-Tacoma, WA CMSA
Seattle-Tacoma, WA CMSA
 Seattle, WA PMSA
 King County, WA
 Snohomish County, WA
 Tacoma, WA PMSA
 Pierce County, WA
Sharon, PA MSA
 Mercer County, PA
Sheboygan, WI MSA
 Sheboygan County, WI
Sherman-Denison, TX MSA
 Grayson County, TX
Shreveport, LA MSA
 Bossier Parish, LA
 Caddo Parish, LA
Sioux City, IA-NE MSA
 Woodbury County, IA
 Dakota County, NE
Sioux Falls, SD MSA
 Minnehaha County, SD
South Bend-Mishawaka, IN MSA
 St. Joseph County, IN
Spokane, WA MSA
 Spokane County, WA
Springfield, IL MSA
 Menard County, IL
 Sangamon County, IL
Springfield, MO MSA
 Christian County, MO
 Greene County, MO

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| Springfield, MA MSA | Tucson, AZ MSA | West Palm Beach-Boca Raton-Delray Beach, FL MSA |
| Hampden County, MA (part) | Pima County, AZ | Palm Beach County, FL |
| Agawam town, MA | Creek County, OK | Wheeling, WV-OH MSA |
| Chicopee city, MA | Osage County, OK | Belmont County, OH |
| East Longmeadow town, MA | Rogers County, OK | Marshall County, WV |
| Hampden town, MA | Tulsa County, OK | Ohio County, WV |
| Holyoke city, MA | Wagoner County, OK | Wichita, KS MSA |
| Longmeadow town, MA | Tuscaloosa, AL MSA | Butler County, KS |
| Ludlow town, MA | Tuscaloosa County, AL | Harvey County, KS |
| Monson town, MA | Tyler, TX MSA | Sedgwick County, KS |
| Montgomery town, MA | Smith County, TX | Wichita Falls, TX MSA |
| Palmer town, MA | Utica-Rome, NY MSA | Wichita County, TX |
| Russell town, MA | Herkimer County, NY | Williamsport, PA MSA |
| Southwick town, MA | Oneida County, NY | Lycoming County, PA |
| Springfield city, MA | Vallejo-Fairfield-Napa, CA PMSA—see San Francisco-Oakland-San Jose, CA CMSA | Wilmington, DE-NJ-MD PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA |
| Westfield city, MA | Vancouver, WA PMSA—see Portland-Vancouver, OR-WA CMSA | Wilmington, NC MSA |
| West Springfield town, MA | Victoria, TX MSA | New Hanover County, NC |
| Wilbraham town, MA | Victoria County, TX | Worcester, MA MSA |
| Hampshire County, MA (part) | Vineland-Millville-Bridgeton, NJ PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA | Worcester County, MA (part) |
| Belchertown town, MA | Visalia-Tulare-Porterville, CA MSA | Auburn town, MA |
| Easthampton town, MA | Tulare County, CA | Barre town, MA |
| Granby town, MA | Waco, TX MSA | Boylston town, MA |
| Huntington town, MA | McLennan County, TX | Brookfield town, MA |
| Northampton city, MA | Washington, DC-MD-VA MSA | Charlton town, MA |
| Southampton town, MA | District of Columbia, DC | Clinton town, MA |
| South Hadley town, MA | Calvert County, MD | Douglas town, MA |
| Stamford, CT PMSA—see New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA | Charles County, MD | Dudley town, MA |
| State College, PA MSA | Frederick County, MD | East Brookfield town, MA |
| Centre County, PA | Montgomery County, MD | Grafton town, MA |
| Steubenville-Weirton, OH-WV MSA | Prince George's County, MD | Holden town, MA |
| Jefferson County, OH | Arlington County, VA | Leicester town, MA |
| Brooke County, WV | Fairfax County, VA | Millbury town, MA |
| Hancock County, WV | Loudoun County, VA | Northborough town, MA |
| Stockton, CA MSA | Prince William County, VA | Northbridge town, MA |
| San Joaquin County, CA | Stafford County, VA | North Brookfield town, MA |
| Syracuse, NY MSA | Alexandria city, VA | Oxford town, MA |
| Madison County, NY | Fairfax city, VA | Paxton town, MA |
| Onondaga County, NY | Falls Church city, VA | Princeton town, MA |
| Oswego County, NY | Manassas city, VA | Rutland town, MA |
| Tacoma, WA PMSA—see Seattle-Tacoma, WA CMSA | Manassas Park city, VA | Shrewsbury town, MA |
| Tallahassee, FL MSA | Waterbury, CT MSA | Spencer town, MA |
| Gadsden County, FL | Litchfield County, CT (part) | Sterling town, MA |
| Leon County, FL | Bethlehem town, CT | Sutton town, MA |
| Tampa-St. Petersburg-Clearwater, FL MSA | Thomaston town, CT | Uxbridge town, MA |
| Hernando County, FL | Watertown town, CT | Webster town, MA |
| Hillsborough County, FL | Woodbury town, CT | Westborough town, MA |
| Pasco County, FL | New Haven County, CT (part) | West Boylston town, MA |
| Pinellas County, FL | Middlebury town, CT | Worcester city, MA |
| Terre Haute, IN MSA | Naugatuck borough, CT | Yakima, WA MSA |
| Clay County, IN | Prospect town, CT | Yakima County, WA |
| Vigo County, IN | Southbury town, CT | York, PA MSA |
| Texarkana, TX-Texarkana, AR MSA | Waterbury city, CT | Adams County, PA |
| Miller County, AR | Wolcott town, CT | York County, PA |
| Bowie County, TX | Waterloo-Cedar Falls, IA MSA | Youngstown-Warren, OH MSA |
| Toledo, OH MSA | Black Hawk County, IA | Mahoning County, OH |
| Fulton County, OH | Bremer County, IA | Trumbull County, OH |
| Lucas County, OH | Wausau, WI MSA | Yuba City, CA MSA |
| Wood County, OH | Marathon County, WI | Sutter County, CA |
| Topeka, KS MSA | | Yuba County, CA |
| Shawnee County, KS | | |
| Trenton, NJ PMSA—see Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA | | |

PUBLICATION PROGRAM

1987 CENSUS OF CONSTRUCTION INDUSTRIES

The Census of Construction Industries is taken once every 5 years. The census covers all establishments engaged in construction, including:

- Building contractors
- Heavy construction contractors
- Special trade contractors (including plumbers, carpenters, painters, electricians)
- Land developers and subdividers

Data products in the Census of Construction Industries are issued in 4 publication series and in 3 other media:

- Printed reports [P]
- CD-ROM [C]
- Computer tape [T]
- Highlights online [+]

Preliminary Industry Series (CC87-I-1(P) through CC87-I-28(P))

(Available November 1988 through May 1989) [P]

Twenty-seven separate industry reports and a United States summary report, providing national statistics for establishments with payroll. Statistics shown for 1987 include:

- Number of establishments
- Number of employees
- Payroll
- Hours worked
- Value of construction work done, by type of structure
- Selected operating costs

Final Industry Series (CC87-I-1 through CC87-I-28)

(Available June 1989 through November 1989) [P] [C] [T] [+]

Twenty-seven separate industry reports and a United States summary report, providing statistics for the Nation and individual States on establishments with payroll. These reports update figures from the preliminary industry series (employment, payroll, value of construction, etc.) and provide measures of the following:

- Capital expenditures
- Inventories
- Industry profiles
- Assets
- Depreciation
- And much more

Geographic Area Series (CC87-A-1 through CC87-A-10)

(Available January 1990 through March 1990) [P] [C] [T] [+]

Nine reports on the construction industries, representing each census geographic division, and a United States summary report. Regional reports provide detailed data for States and metropolitan statistical areas.

Subject Report—Legal Form of Organization and Type of Operation (CC87-S-1)

(Available May 1990) [P]

One report providing selected national statistics for each industry by legal form of organization and type of operation. This report includes data for establishments with and without payroll. Data in this report include—

- Employment
- Payroll
- Value of construction work done
- Selected operating costs

OTHER ECONOMIC CENSUSES REPORTS

The Census of Construction Industries is part of the 1987 Economic Censuses. These are conducted at five-year intervals in years ending in 2 and 7 and consist of seven separate censuses:

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Transportation
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction

...plus several related programs: enterprise statistics; information on minority-owned and women-owned businesses; and the Census of Outlying Areas, including separate economic censuses of Puerto Rico and other outlying areas. The Census of Agriculture and Census of Governments are conducted separately.

HOW TO ORDER DATA PRODUCTS

Order forms for the specific reports and other data products may be obtained from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, DC 20233. If you have any questions, call Census Customer Services 1-(301)-763-4100.



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